WarpX Suit 2008

Users' Manual

Version 1.0 Pre-released 080827

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About Warp3G series

Warp3G series are Web Base biometric access control and time attendance device with awarded winning algorithms (FVC2004 and FVC2006) and integrates both fingerprint and RFID card system into one device. Warp3 can replace an existing system or be added to an existing access control and time attendance system with ease. Warp3G is equipped with fast one to many fingerprint identification engines. Enrolled with more than hundreds of users, identification can be done in less than one second.
With external smart relay device, it can accept external wiegand device to act as card reader for out direction.

About This Manual

This is an introduction to operation of Warp 3 Series device, This manual describes how to manage templates, property adjust relevant parameters, enroll or delete templates, etc. The purpose of this manual is to provide instruction to using Warp3 and troubleshooting tips.

Date	Version	Remark	Writer
2008-08-27	V.1.0 pre-released	Create	Saiyont

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Revision History

WarpX_Client Software

Version	Date	Description
V.1.0.0.0	2007.08.19	Created.
V.1.2.0.0	2007.12.01	Add support for Access control . Add Time Set, Time zone, Group
V1.2.1.0	2008.02.03	Add support for User's Group. Add admin monitor log.
V1.2.1.3	2008.03.04	Add support for Warp Server V.1.0.0.0 Add support for Warp3 and card system. Add Door list Add Map zone Add Server Zone support Add support for Warp Map
V.1.2.1.4	2008.08.15	Add support to WarpServer V.1.2.0.0-1 Add system backup and restore function. Change Fingerprint enrollment checker. Add WarpReset to reset the database directory and default setting. Add simple time attendance system.
V.1.2.1.4B	2008.08.26	Fix bug on the Web Config Page Support INI and Reg version

Warp Server

Version	Date	Description
V.1.0.0.0	2008.01.12	Created.
V.1.2.0.0	2008.03.01	TCP/IP Pulling mode created.
V1.2.0.1	2008.02.03	Full Server mode created. Auto detect door status . Auto setup for full transaction pull over back up.

Warp Monitor

Version	Date	Description
V.1.0.0.0	2008.02.12	Created.
V1.0.0.1P	20080827	Add support for multi-door Warp4 Series and system config button

1. Getting Started

1.1. Out Line

This manual illustrates how to use WarpX software. WarpX is a PC windows software for control and management of Thai printex's Warp 3 series and Warp4 series products. WarpX includes various functions needed for a host station for applications of access control and time& attendance using these devices.

For proper hardware connection, please refer to Warp3 installation manual.

There are three approaches in managing Warp3 series:

- Using Warp3's own Web base application. By using IE (Internet Explorer) , user can access web base management page via correct user name and password. Please refer to "Warp3_Web User Manual. PDF"
- Using WarpX_Client, Warp Server and WarpMonitor program which are the management software running on Windows based PC platforms. This manual is mainly focused on operating Warp3 series using WarpX software.
- Integrating the management functionality into customer's application software using SDK.

1.2. Fundamentals

This chapter provides introductive information on Warp3 series and WarpX software including basic concepts, operation flow, and overview of the software

1.2.1. Finger scan device

Warp3G is equipped with Fingerprint scan device to authenticate the identity of each person using fingerprints. It can be easily integrated into access control system by connecting with access control panel through industry standard interface such as Wiegand interface. Since fingerprints contain biometric features which are unique for each person, fingerprint access device can be substituted for existing access devices, such as barcode, magnetic card, keypad, or RF card devices , with high security and efficiency.

1.2.2. Template

A template is the binary data representing the features of each fingerprint. The fingerprint image acquired from a fingerprint sensor is converted to a template, which is stored on the memory of the fingerprint access device or on user's smart card. In authenticating a user, a new template is also generated and compared with the stored templates.

1.2.3. Enrollment

Enrollment is the process to store the fingerprint template with user information. Through enrollment process, new users are entered into the system.

1.2.4. Verification

Verification is the process of authenticating an input fingerprint with the fingerprint of the specified user. On Warp3G, user places card containing card ID. Then, the device carries out verification process by scanning an input fingerprint.

1.2.5. Identification

Identification is the process of searching a matched fingerprint among the stored fingerprints on the device. Warp3G basically operate in identification mode, which requires on additional input except the placement of a finger.

1.2.6. User Database

User Database includes user ID, user name, fingerprint templates and so on. WarpX software is based on the central management of user database. That is the user database is created, updated and stored on the host PC. Then , it is selectively distributed to the Warp3 series device connected on the network using transfer menu.

1.2.7. Transfer

Transfer to Device is used to transfer the user database of the host PC to Warp3 series device. The user information such as User ID, templates, access group is transferred by this process.

1.2.8. Download

Download from Device is used to upload the user information from warp3 device to the database of host PC. The user information such as User ID, Template, Access group can be uploaded by this process

1.3. How to place a finger

1.3.1. Select a finger to enroll

- It is recommended to use an index finger or a middle finger
- Thumb, ring or little finger is relatively more difficult to place in a correct position.

1.3.2. How to place a finger on a sensor

- Place a finger as it completely covers the sensor with maximum contact.
- It is better to place the core part of a fingerprint to the center of a sensor
    - People usually tend to place only the top end of a finger
    - Where is the core of a fingerprint?
        - A peak where spirals of fingerprint ridges are dense
        - Usually opposite to lower part of a nail
        - It is recommended to place a finger as the lower part of the nail is located at the center of the sensor
- If a finger is placed as in the right picture, only a small area of a finger is captured. So it is recommended to place a finger as I the left picture.

1.3.3. Tips for different finger conditions

Our fingerprint products are designed to scan fingerprint smoothly regardless of the conditions of a finger skin. However, if a fingerprint is difficult to scan due to other influences, places refer to the following tips.

- If a finger is stained with sweat or water, scan after wiping moisture off.
- If a finger is covered with dust or impurities, scan after wiping them off.
- If a finger is way too dry, scan after blowing warm breath on a fingertip.

1.3.4. Advices on fingerprint enrollment

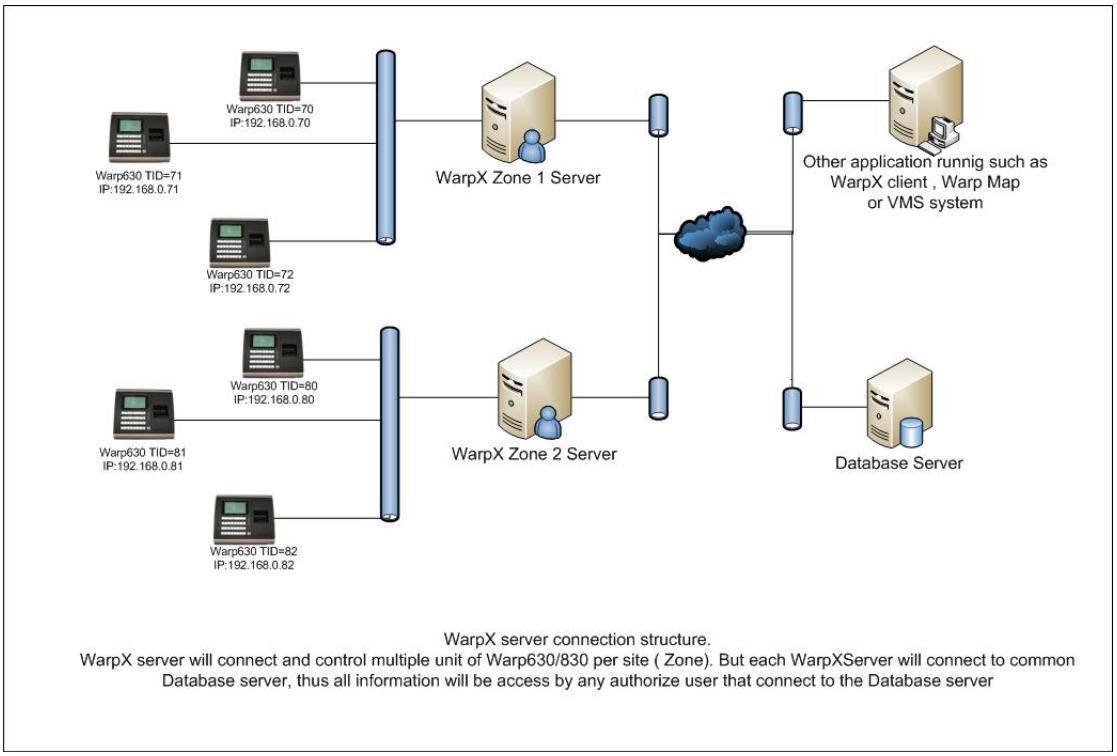
- In fingerprint recognition, enrollment process is very important. Therefore, when enrolling a fingerprint, please try to place a finger correctly with care.
- In case of low acceptance ratio, the following actions are recommended.
    - Delete enrolled fingerprints and re-enroll the fingers.

- Enroll the same finger additionally
- Try with another finger if a finger is not easy to enroll due to scar or worn-out.

- For the case when an enrolled fingerprint can't be used due to scar or holding a baggage, it is recommended to enroll more than one finger.

1.4. Concept of WarpX Software

WarpX software can act as standalone software mode and server mode. In standalone mode, WarpX standalone is needed only.
In Server mode, Warp server and WarpMonitor is optional. In this mode, WarpX_Client act as control panel software where you can configure all necessary parameter to the system.
Warp Server act as zone server where you can issues each device to a zone server using WarrX_Client. On other hand, warp server will automatically stored logs from the zone device to the database of the system real-time.

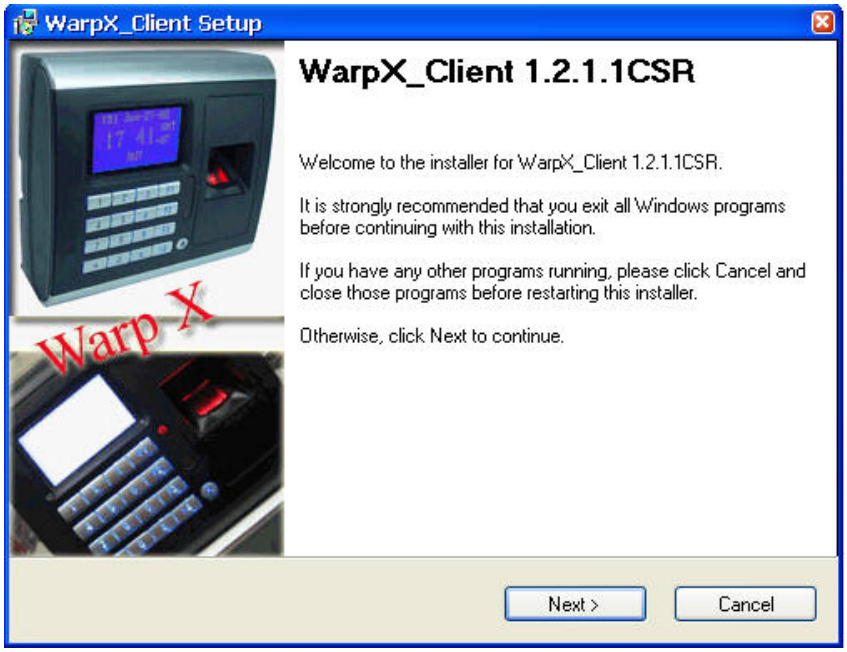


WarpX server connection structure.
WarpX server will connect and control multiple unit of Warp630/830 per site (Zone). But each WarpXServer will connect to common Database server, thus all information will be access by any authorize user that connect to the Database server

1.5. Software installation

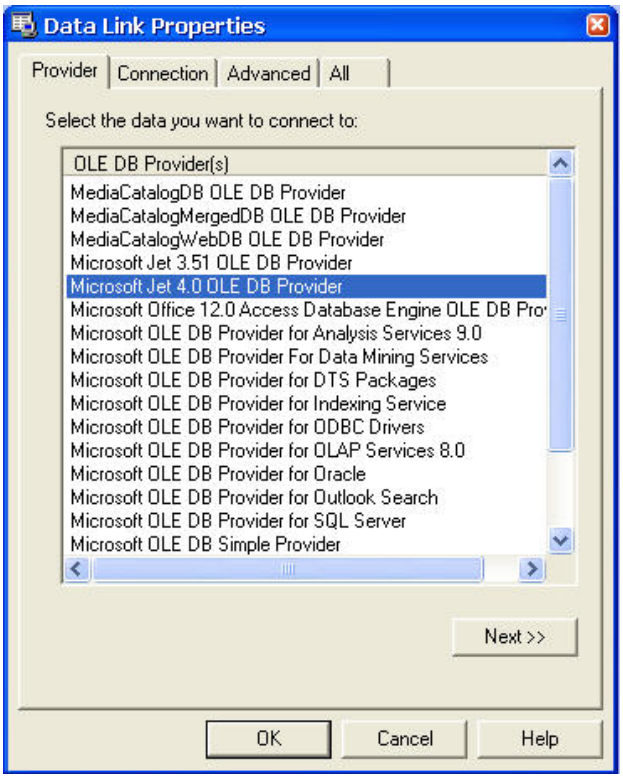
The Warpx_Client program can be install automatically by installation program. (warpx_cleint.exe)
The WarpX CD contents all program that is necessary. (WarpServer and WarpMonitor is equipped in Server base).

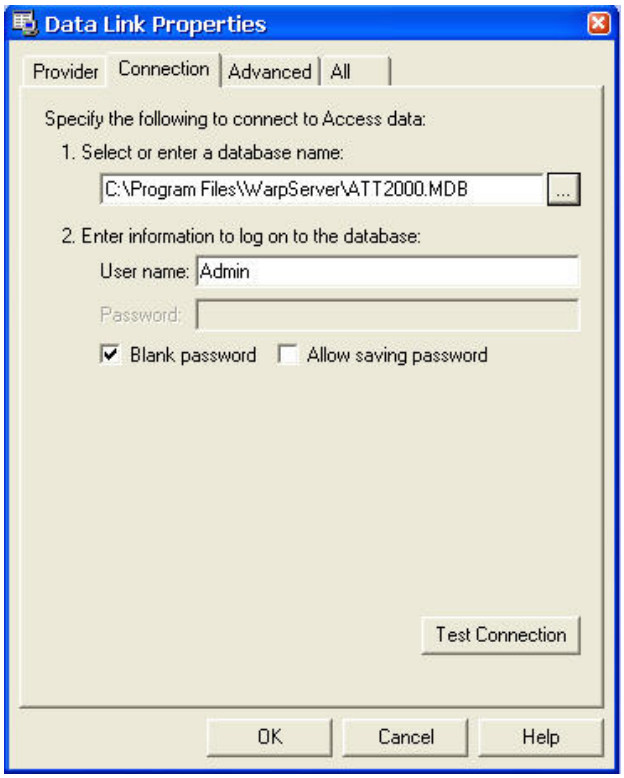
First install **WarpX_client program**, then **Warp Server** and **Warp Monitor** after. After installed the entire program, please start WarpX_Client program first.



1.6. WarpX_Client Database

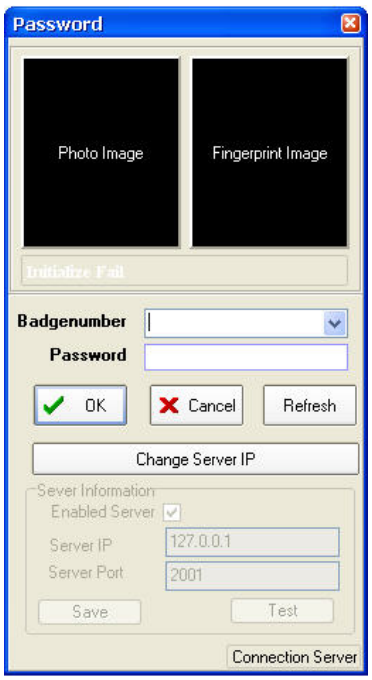
For the first time running WarpX_Client program, it will ask you to select database.



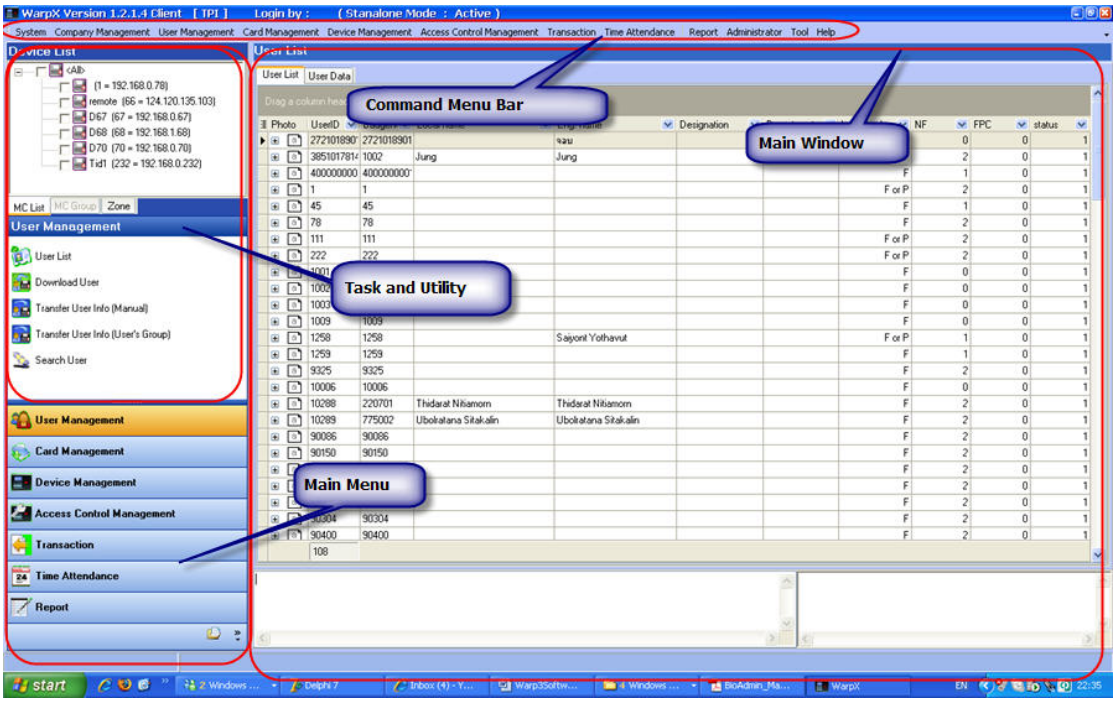


Choose, Microsoft Jet 4.0 OLE DB Provider and ‘ATT2000.MDB’ on the ‘C:\Program Files\WarpServer\” directory by default.

1.7. WarpX_Client Main Window



When enter the program for the first time, press [Enter] 2 times to bypass the password authentication process. The main windows will pop up.



1.7.1. Command Menu Bar

Command menu bar contains command items support by WarpX_client software, which is grouped into 12 categories:

- **System:** Setup Database, Other Database, Preference, Language, About, Database management and close.
- **Company Management**: Designation, Department, Section, Position and Transfer Management.
- **User Management:** User List, Download User, Transfer User Info (manual), Transfer User info (user's Group) , Search User and Duplicate Fingerprint checker.
- **Card Management**: Card List, Card User List.
- **Device Management**: Add Device, Edit Device, Delete Device, Search IP, Door Unlock, Door Lock, Add Door , Add Map Zone, Add Zone(server)
- **Access Control Management**: Time Set, Time Zone, Group Setup, Holiday Setup, User's Group Setup, Transfer Access Data to Device, Download Access Data from Device, Web base Config.
- **Transaction** : Download Log, Import Logs From Text File
- **Time Attendance**: Time Table, Schedule work, Holiday Time, Calculate Time Attendance.
- **Report**: Text file setup, Time Attendance report, Access control report, card report, add data report.

- **Administrator**: Admin Setup, Admin log report.
- **Tools**: Import user.
- **Help**: Help Manual.

1.7.2. Main Menu

Major command menus can be accessed by buttons on the left pane, such as user management, device management, access control, time attendance, transaction, report.

1.7.3. Task list

Task window shows sub-menus for the selected main menu.
Utility window show the User selection tool, Device tree, and log filtering tool.

1.7.4. Main window

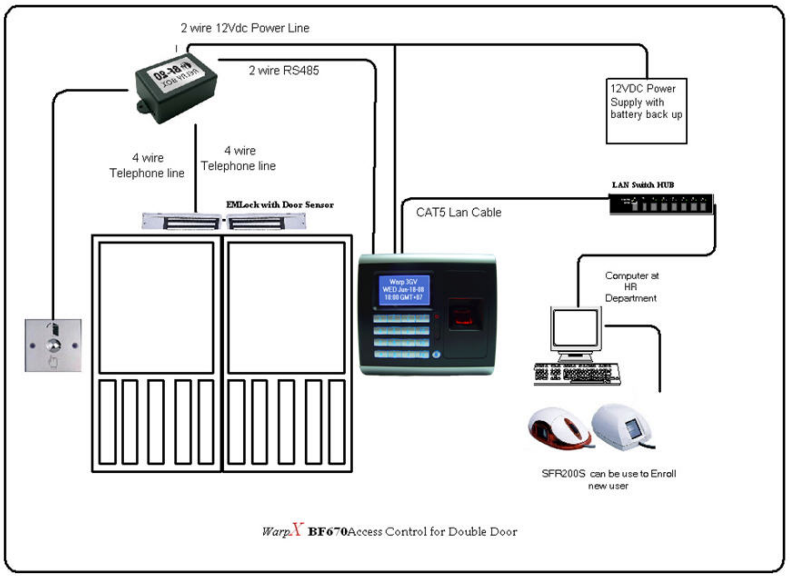
On each command menu, relevant information is updated on the main Retrieved information from currently selected device.

- Information stored on host PC, such as user database or log data.
- Controls to manage or to configure the information

2. Quick Start

This chapter explains basic procedures of operation Warp3 series device integrated with external system.

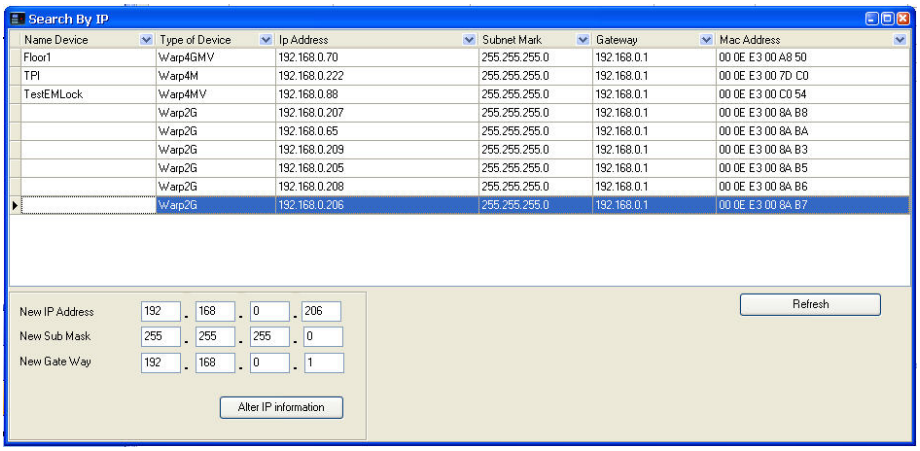
2.1. Step 1: HW Installation



Warp3 series can be networked by cable LAN.

2.2. Step 2: Search new device

- Run WarpX_Client
- Enter Login ID and password [Blank if no Admin assigned yet]
- On Main Menu, choose [Device Management]. On [Task and Utility] choose [Search IP Address of Device]



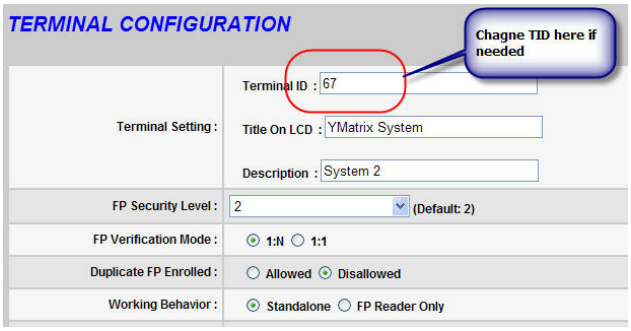
- Here you will see the list of all devices that is connected on the system. User can always change the IP address on the device by alter the information on the lower left hand Group box and press [Alter IP information] button to proceed.

- Double click onto the list to open the web browser for the device.

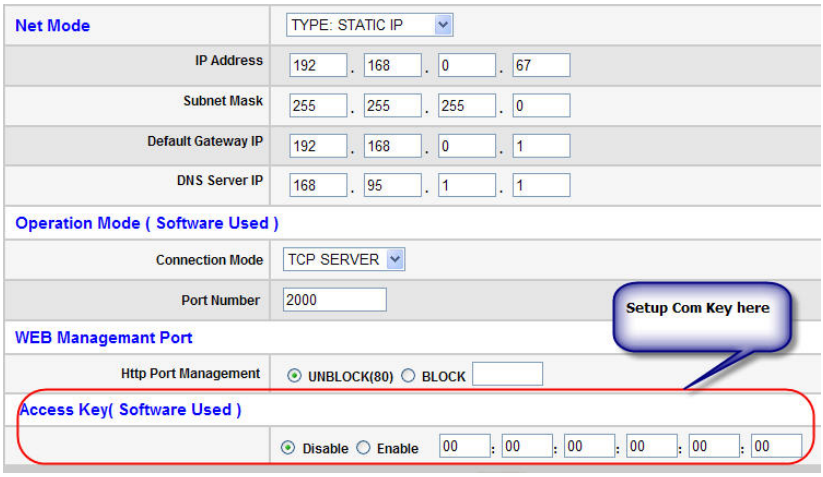
- Enter ‘admin’ for both username and password by default. User can always change it later on the Administrator Setup page.

- Please observe the [Terminal ID] no. User will need these numbers to Add device to WarpX system. Or User can change it on the [Terminal Setup] Page below.

System Status	
Product Name :	Warp3GMV
Firmware Version :	2.01.00,Aug 14 2008
System Time :	08/18/2008 11:16:05 GMT+07
Terminal ID :	67
Description :	System 2
Standalone / FP Reader Only :	Standalone
Registered User :	5
Log Count :	93
Anti-Pass-Back :	Disable
Weigand Format :	WG34
Weigand Output :	34 Bits
Anti-Duress :	Enable
Ethernet Status	
MAC Address :	00:0e:e3:00:dc:92
IP Address :	192.168.0.67
Subnet mask :	255.255.255.0
Default Gateway :	192.168.0.1
Primary DNS :	168.95.1.1



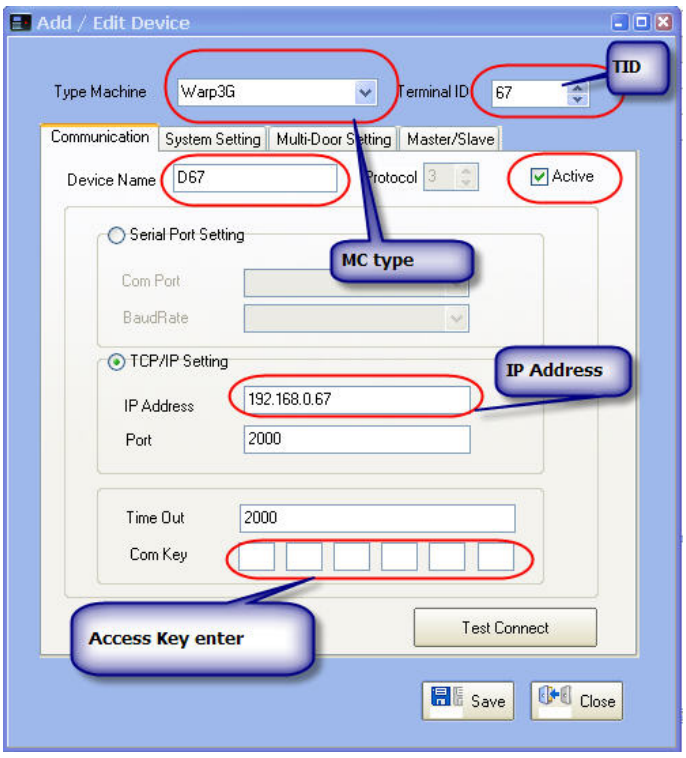
- User can also setup Access Key on the [Communication Setup] page to ensure security connection between software and Device.



2.3. Step 3: Add new device

With this information on hand, user can now register or Add device into the system via WarpX_Client program.

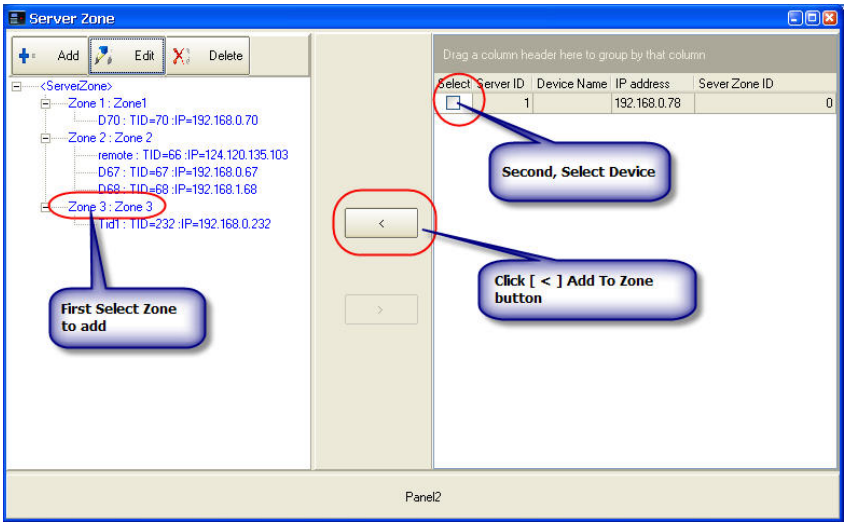
- On Main Menu, choose [Device Management]. On [Task and Utility] choose [Add Device]



- Select the relevant Machine Type, Terminal ID, Device name, IP Address, Com Key, then press [Test Connect] and if success, press [Save] button.

2.4. Step 4: Add Server (Zone)

For first time runner, user needs to create Server Zone and add the device to server that was created.

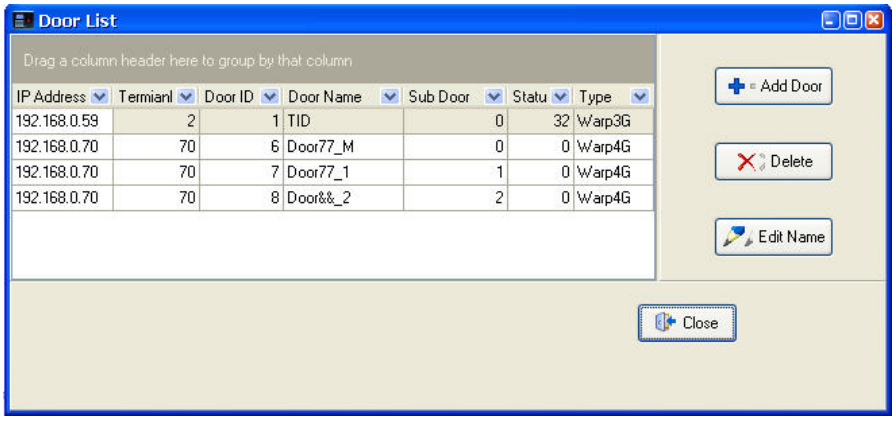


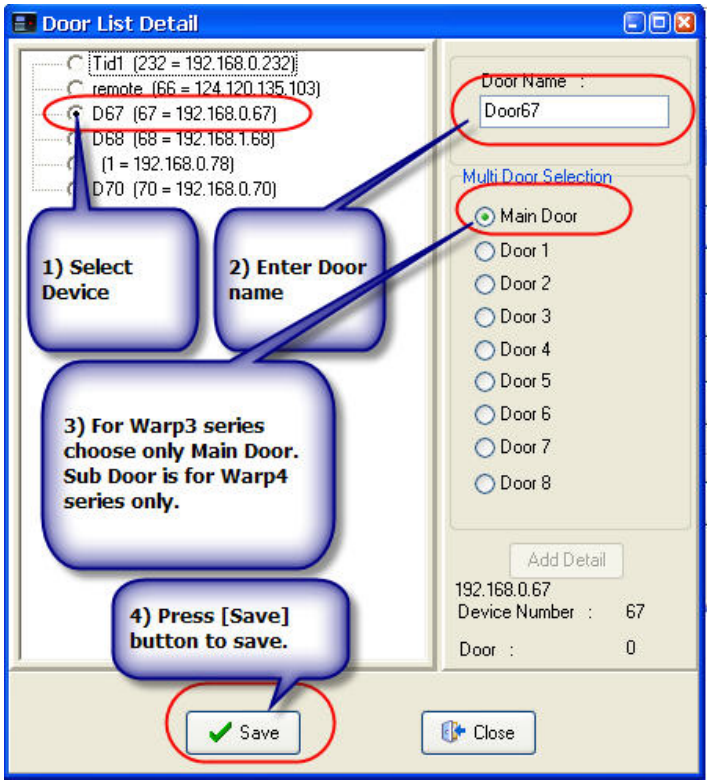
After these procedures, Warp Server is ready to activate now.
If you install Warp3 series as access control, you may need to follow the step5 and 6 to create Door List and Map zone respectively.
If not you may skip and go to Running Warp Server.

2.5. Step 5: Add Door

In order to use Warp Monitor, Door list and Map zone must be added, and Door must be assign to Map zone as well.
To add Door to system,

- On Main Menu, choose [Device Management]. On [Task and Utility] choose [Add Door]

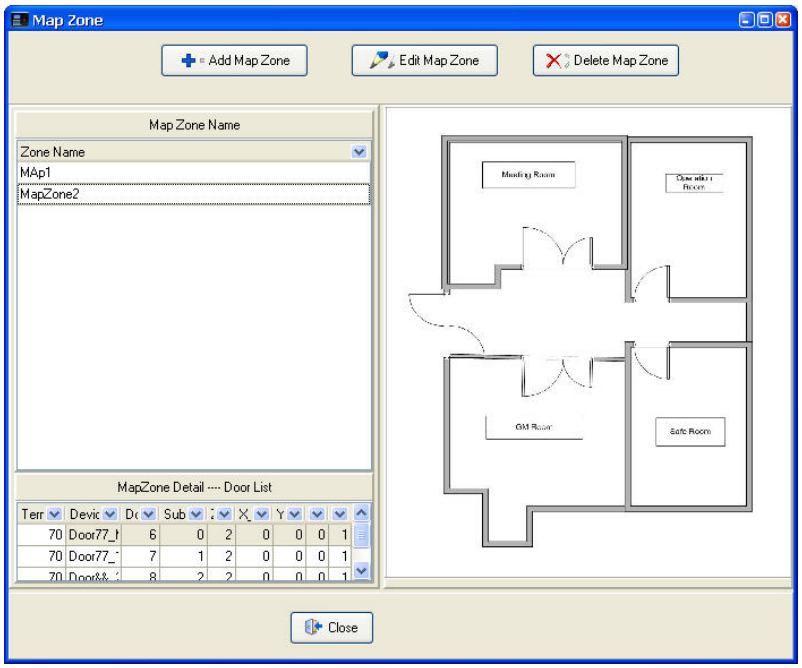


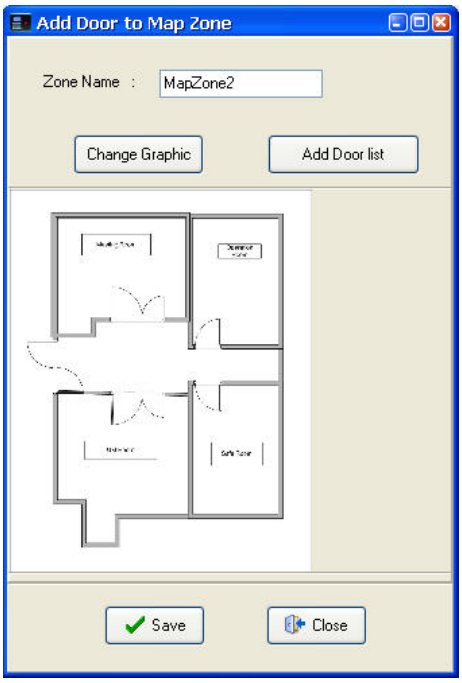


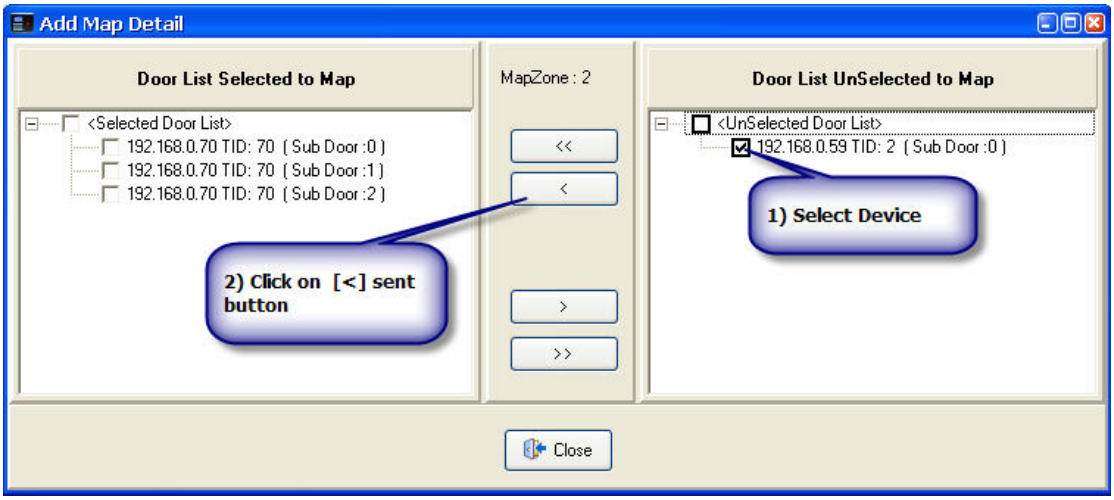
2.6. Step 6: Add Map Zone

In order to use show map and assign door to Warp Monitor, Map zone must be added, and Door list must be assign to Map zone as well.
To add Map zone to system,

- On Main Menu, choose [Device Management]. On [Task and Utility] choose [Add Map zone]





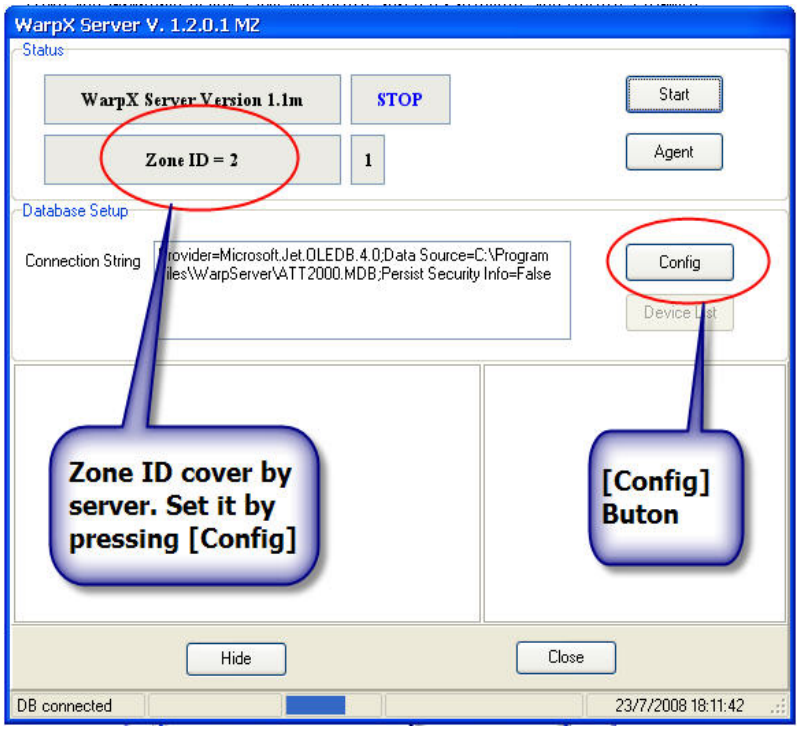


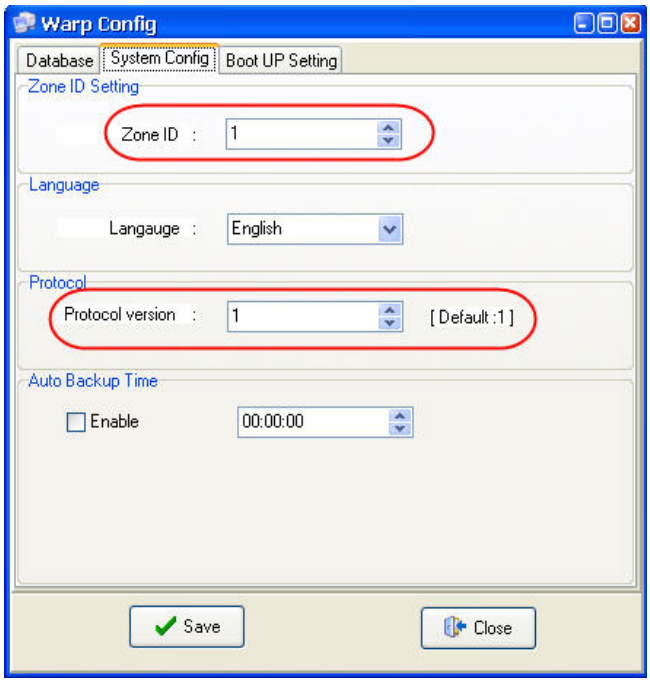
2.7. Step 7: Running Warp Server

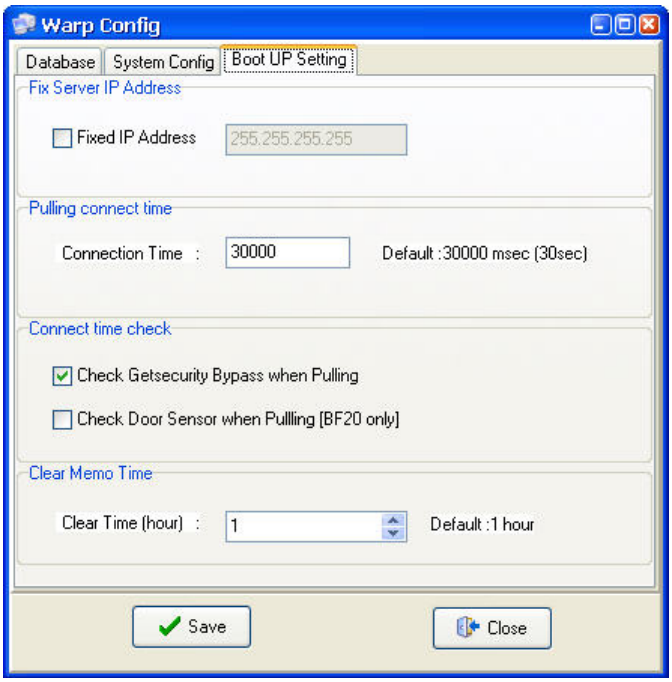
For the first time that WarpServer runs, it will ask user to choose the database and its path. Please follow the same step as in 1.6.

2.8. Step 8: Setup Warp Server

Choose the desire Zone ID by clicking on the [Config] button.







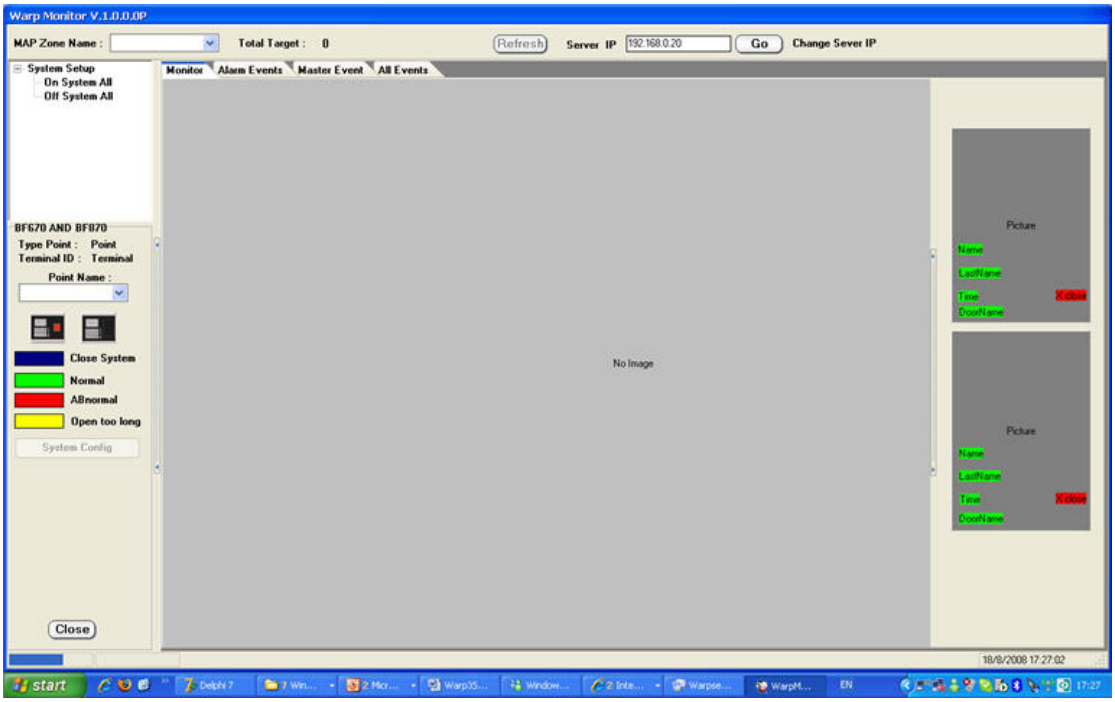
Auto Backup time is use if User requires WarpServer to pulling all logs on the system at a specific time.

2.9. Step 9: Running Warp monitor

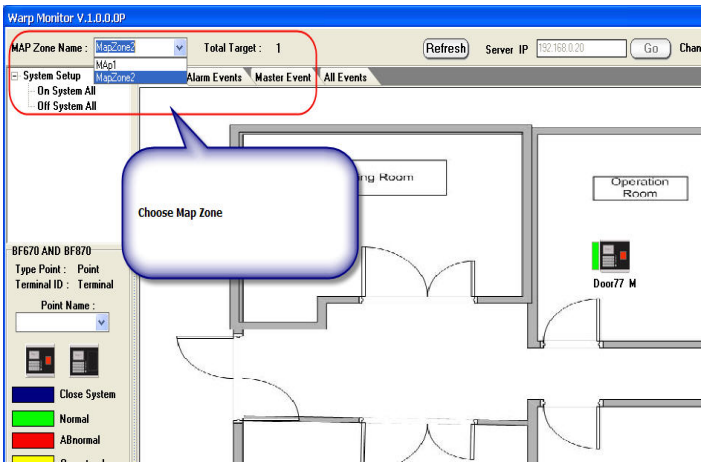
For the first time that Warp Monitor runs, it will ask user to choose the database and its path. Please follow the same step as in 1.6.

2.10. Step 10: Setting Up the Map Zone

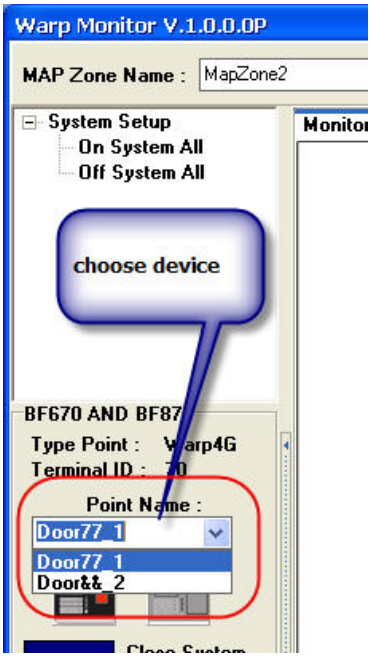
- Press [Go] button of connect with server zone.

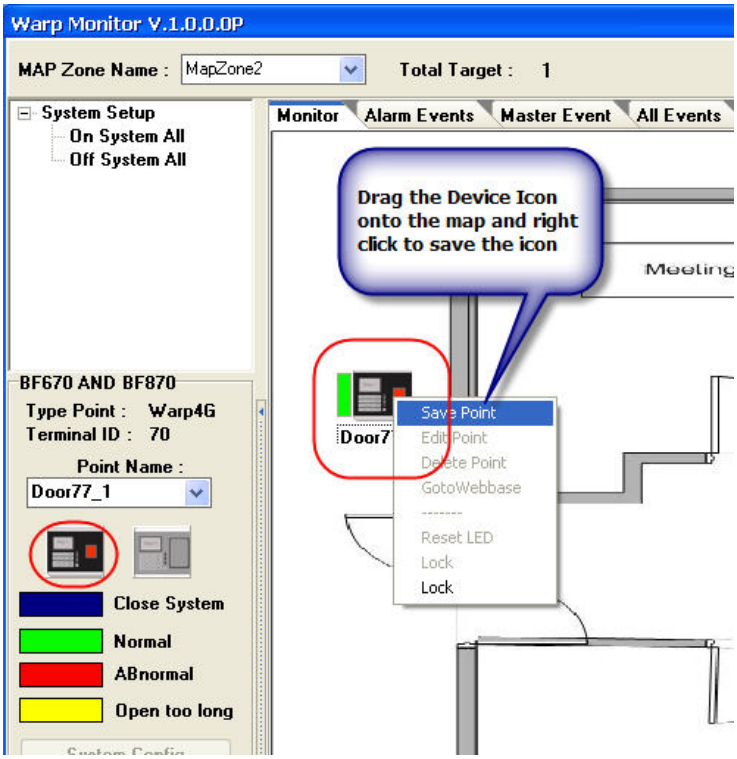


- Select Map Zone from the drop down list on top/left of the window.



- Choose the device that was add using WarpX_Client program from 2.6





- Drag the Device Icon onto the Map windows than right click on it to save the point position.
- Warp Monitor require that Warp Server must be running at all time.
- Color of the tap on the icon represent the status of the device as follow:

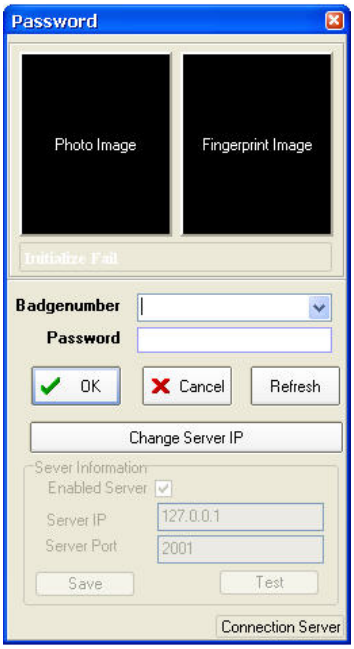
System is now ready for running.

3. WarpX_Client Program

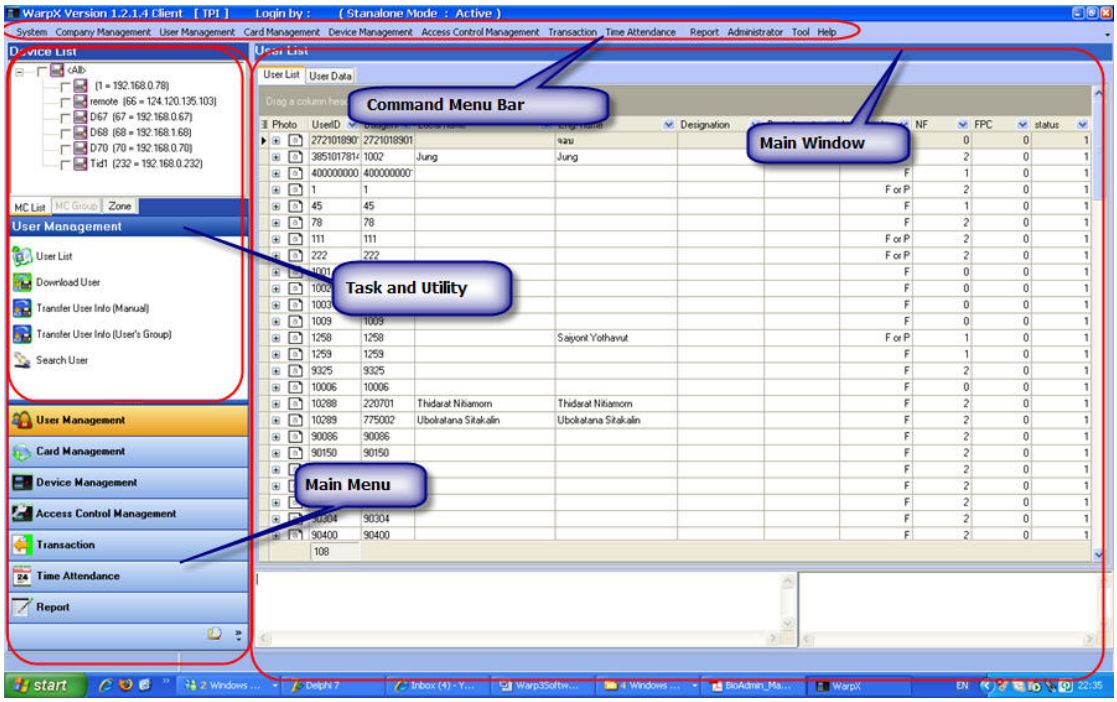
WarpX_Client program is an control panel software to manage all system device.

3.1. Password Page

Password is required for accessing the software. WarpX_client require either Password or Fingerprint verification of the user to enter to the system. User can also change to connect server IP address if desired.



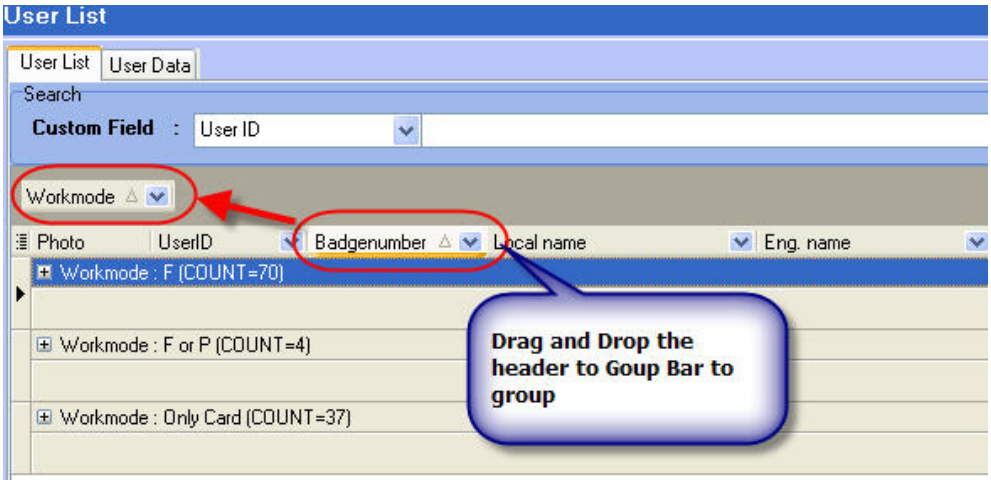
3.2. Main Windows



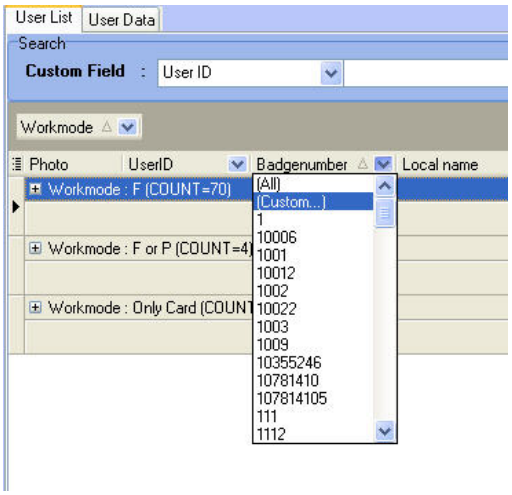
3.3. User Management

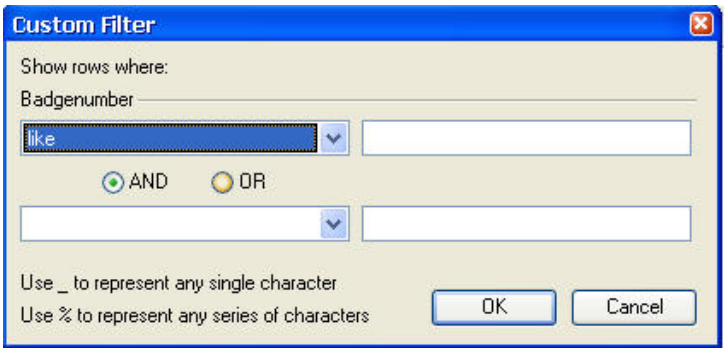
3.3.1. User List

On the Main window for User List, user can group user by drag and drop the header on the group bar above it.

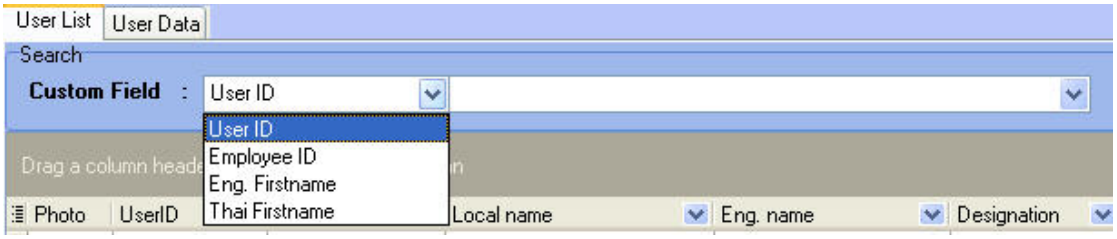


User can also filter the record by press on the Down arrow button on the header and choose Custom to activate Customer Filter Dialog.

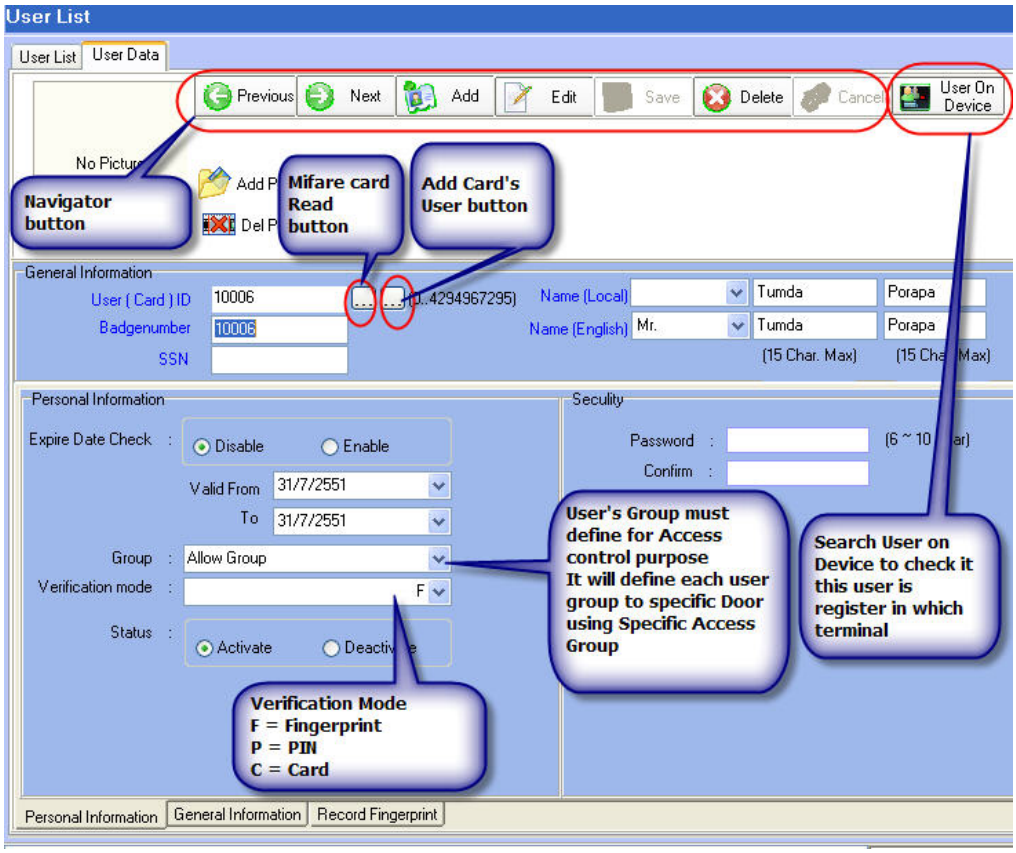


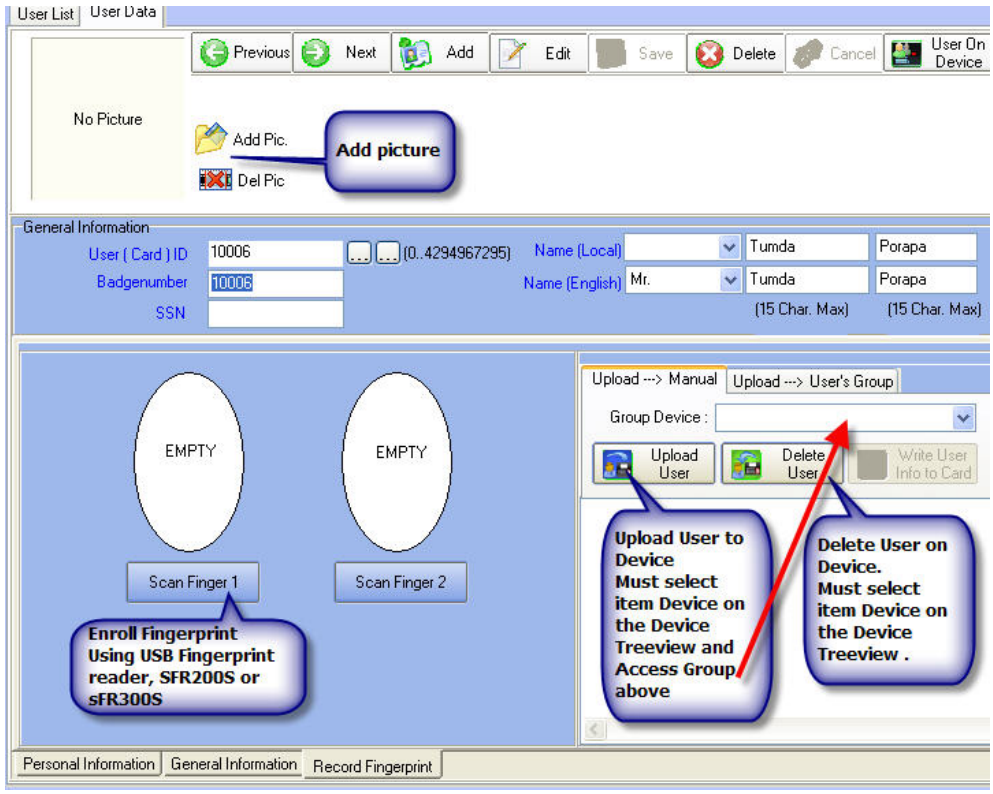


Or user can using Search box on top of the grid, by choose the desire field and search data on the text box beside it.



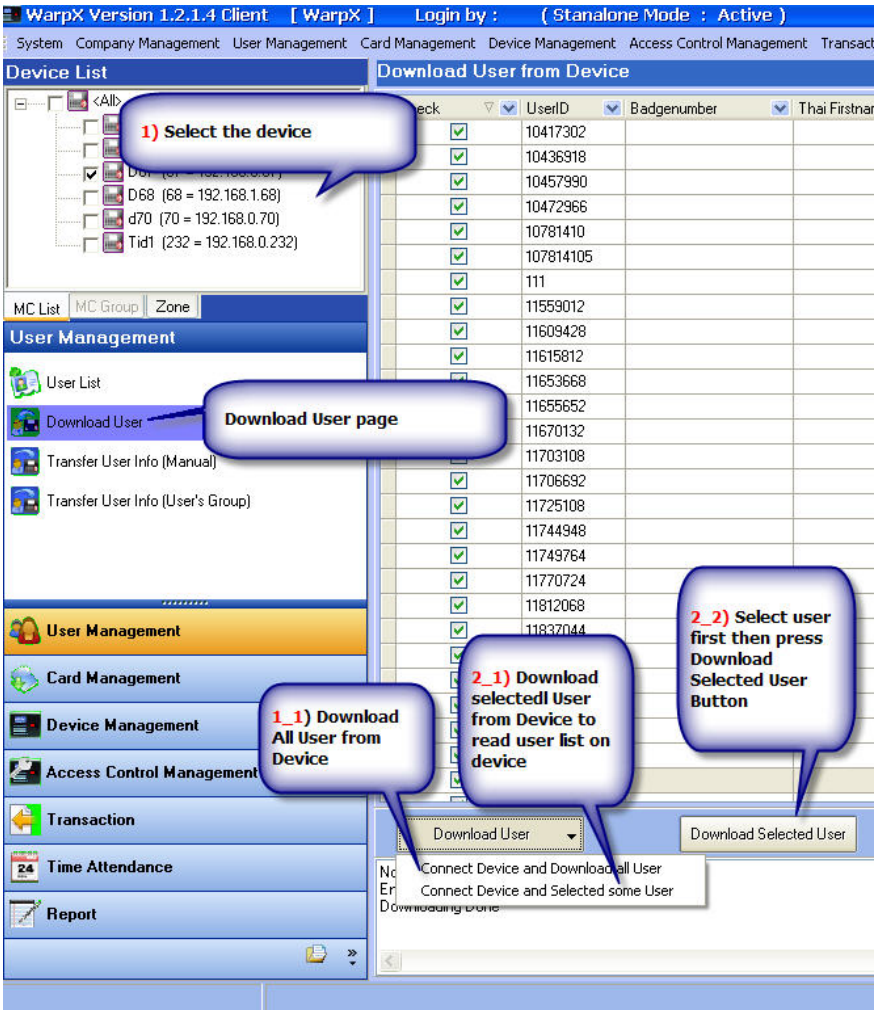
Double click on the item in the grid, will immediately bring user to User Information Data Edit page. Or user can also click on the Tap [User Data] directly and use the navigator button to move around User data records.





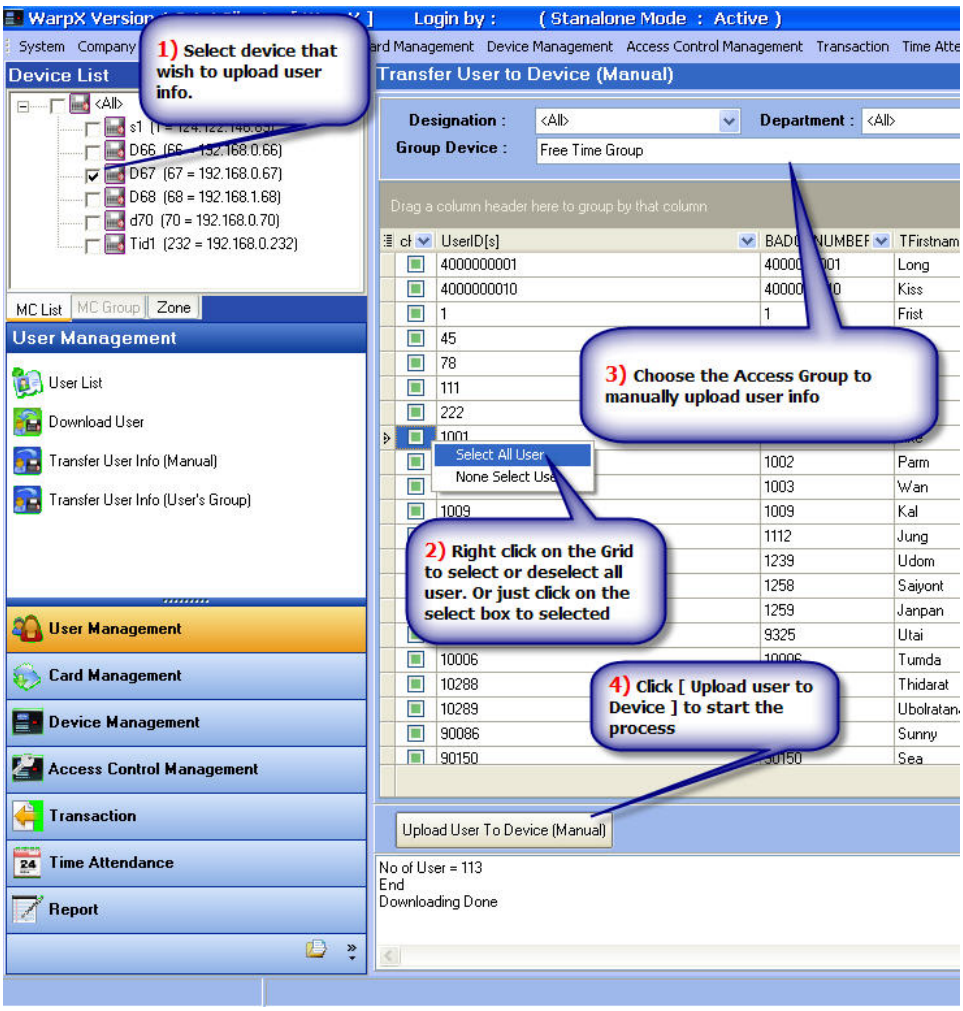
3.3.2. Download User

Click on the Download User on Task bar, will show up download user page

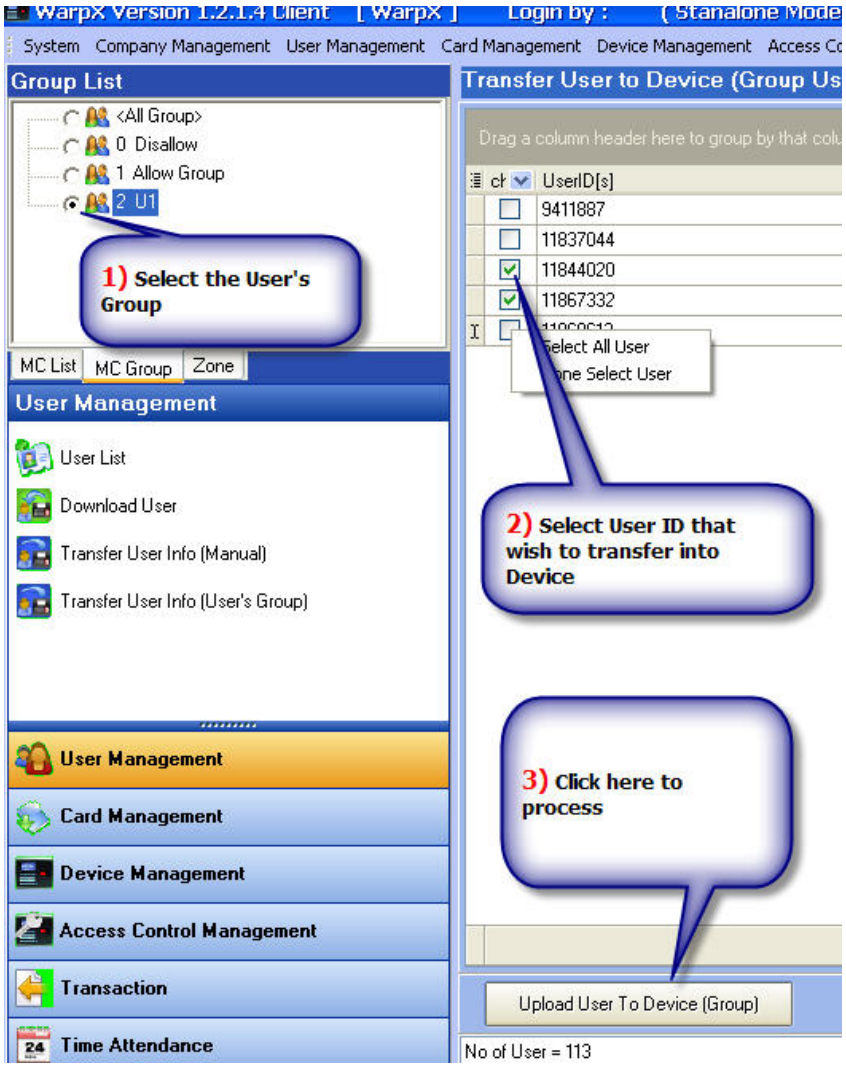


3.3.3. Upload user manual

Click on the Transfer User info (Manual) to activate this page

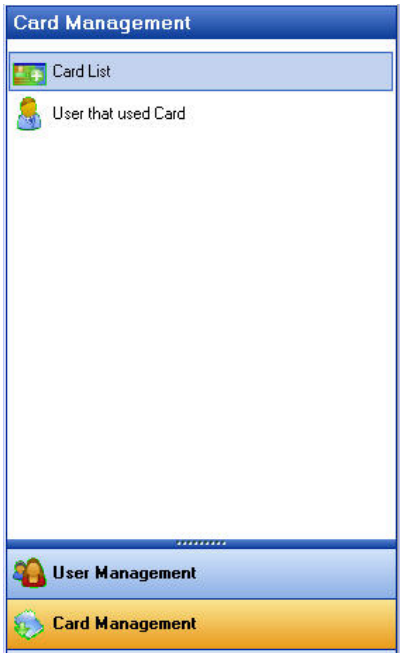


3.3.4. Transfer User info (User's Group)



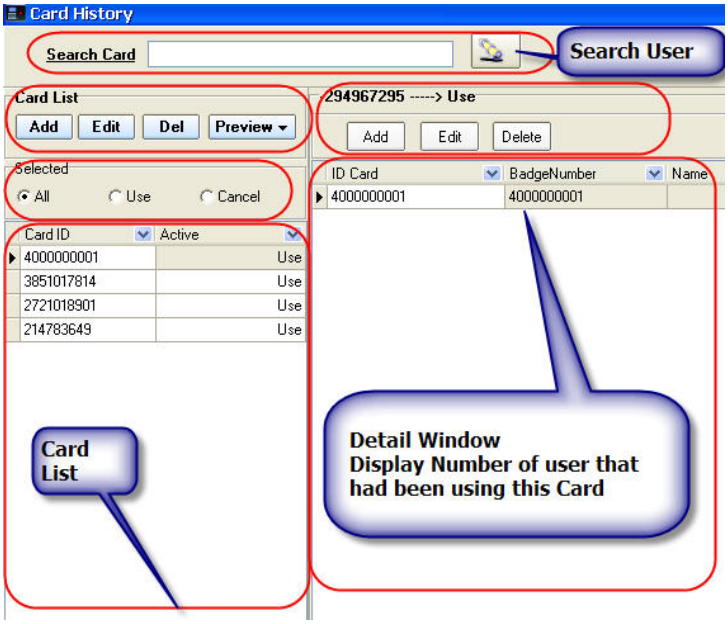
3.4. Card Management

Consist of Card List and Card User List

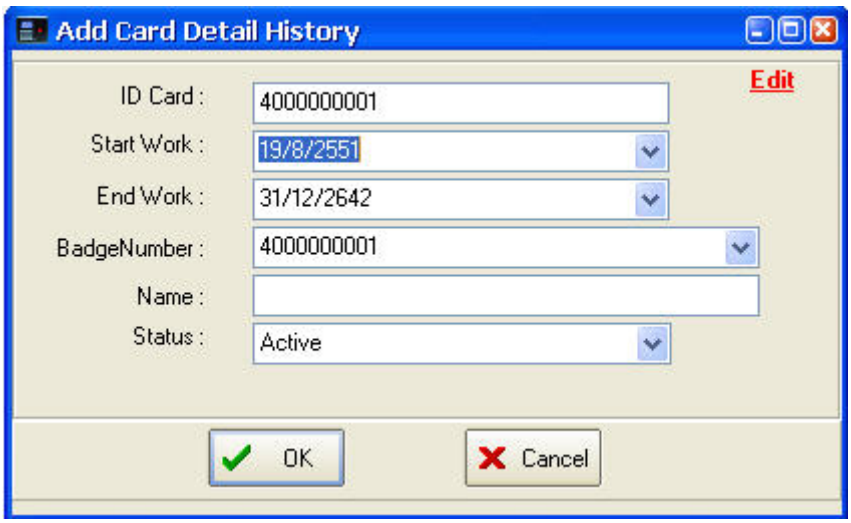


3.4.1. Card List

This page shows a list of Card that had been register in the system. If the card had been Issue to more than one user, it will show this information on the Detail window below.

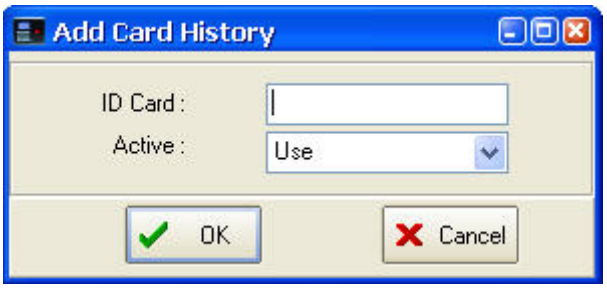


If user needs to change the User's Information on the card, click on the Grid and click Edit button to display the [Add/Edit Card Detail History] window below:

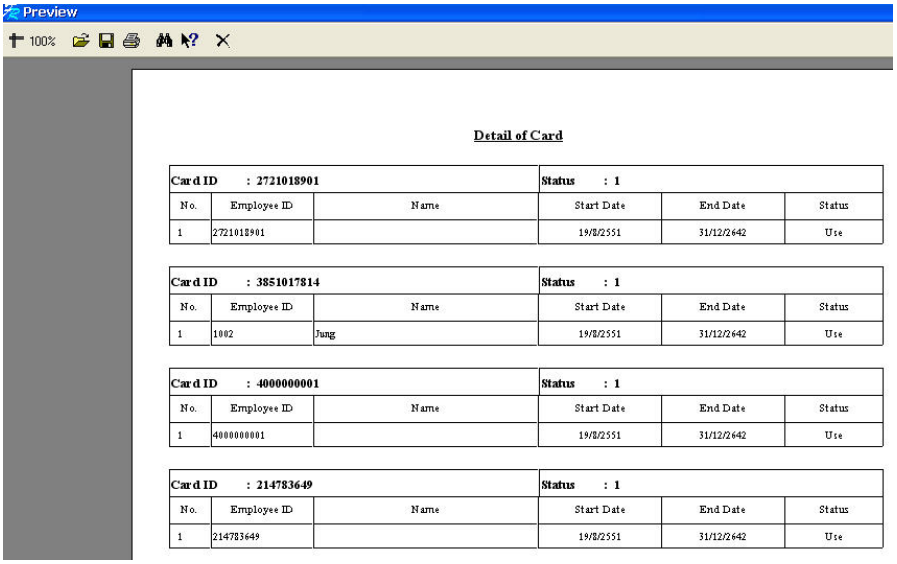


By change the End Work Date, and set the Status to Inactive, use can free the card usage. And thus can add in different user to the card.

New Card also can be added by click on the [ADD] button on the card list menu.

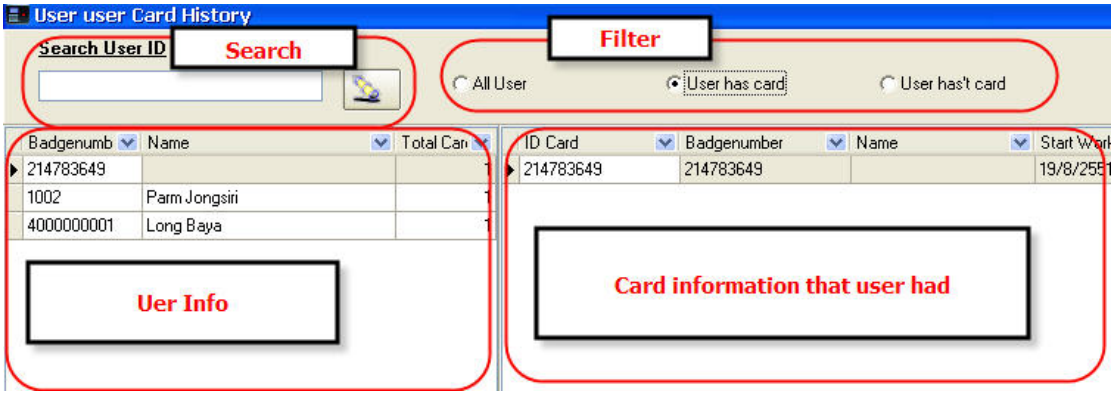


Report also can be preview by click on the [Preview] button:



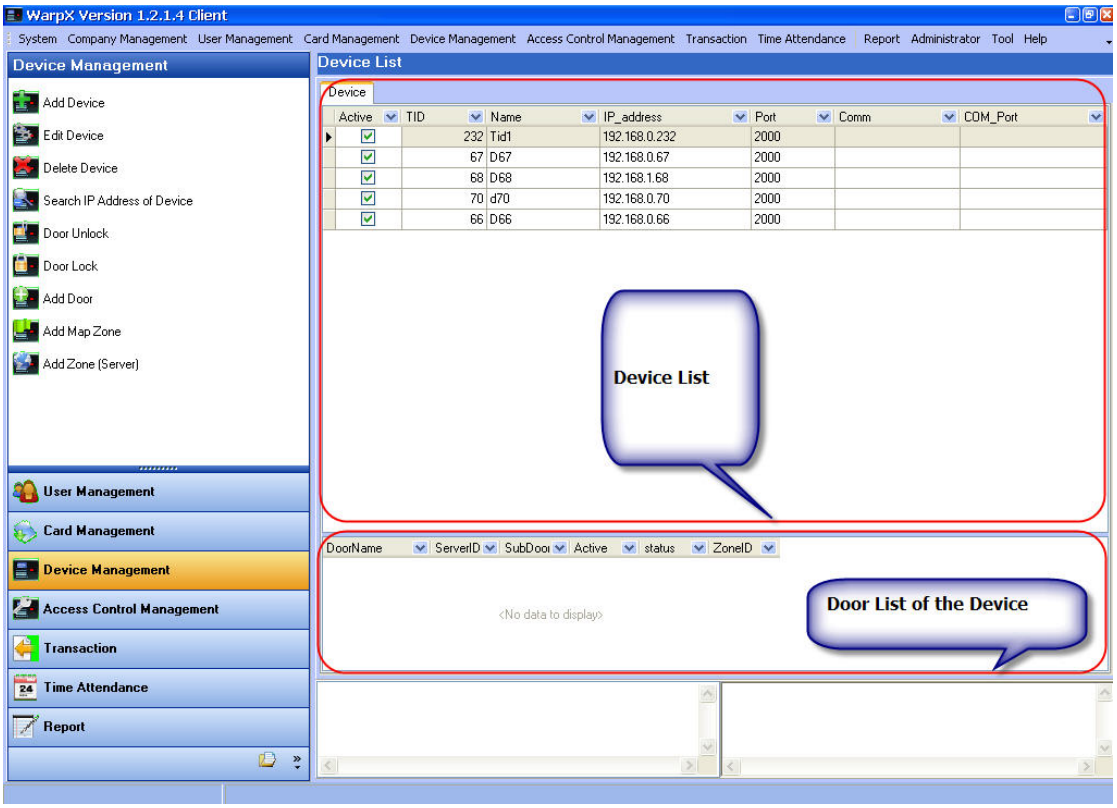
3.4.2. User that use Card

In this window, it will show the information of Card's User. It shows card usage of the user. If this user had used more than one card, that is, if he had lost card and register for more card, the Card information windows will show the number of card had been used.



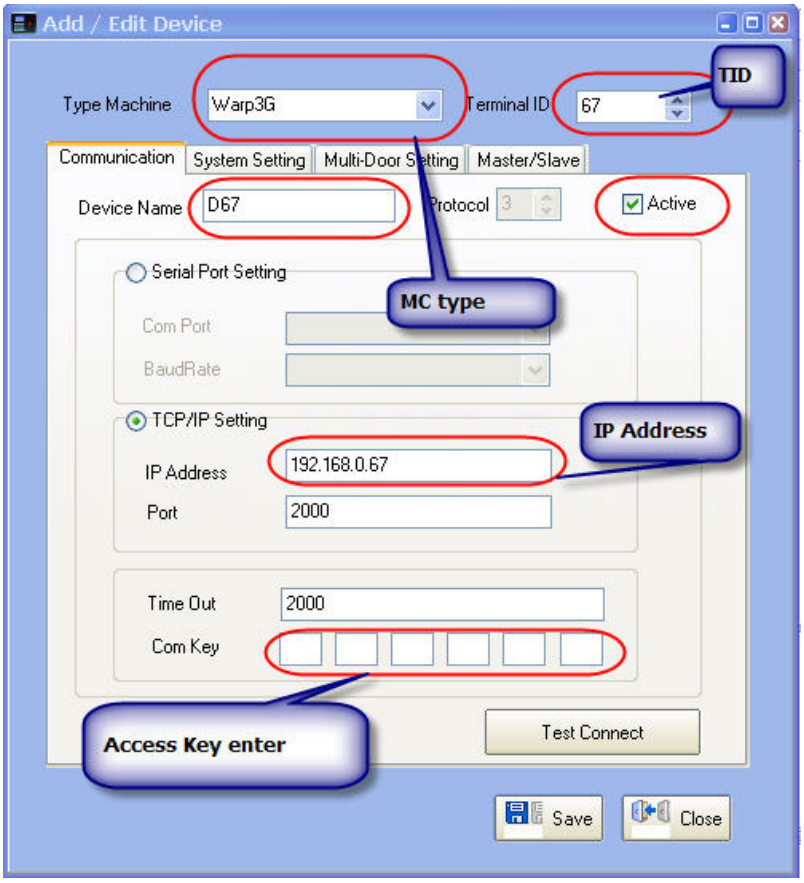
3.5. Device Management

Device Window



3.5.1. Add Device

Add Device

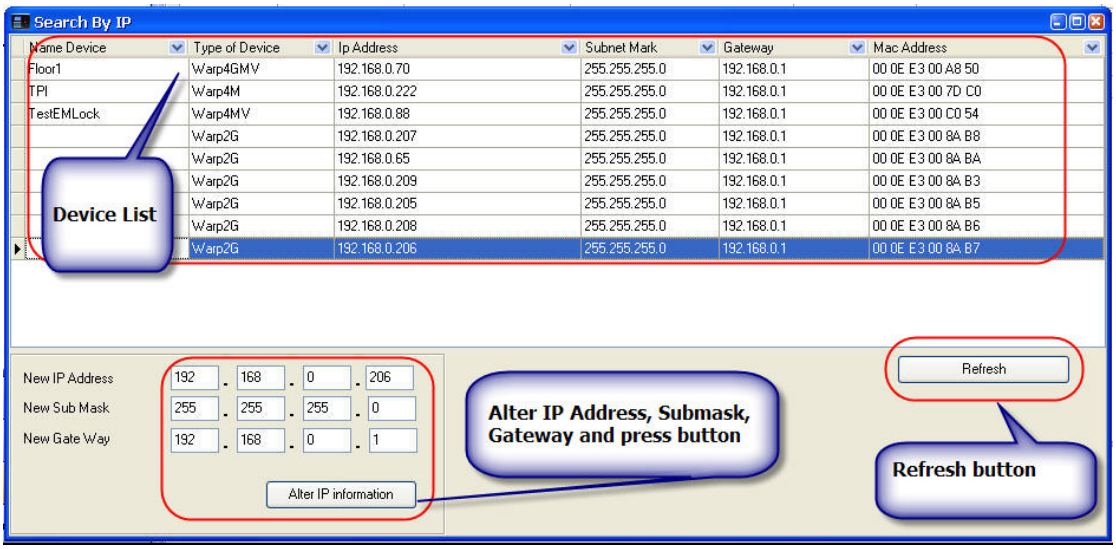


3.5.2. Edit Device

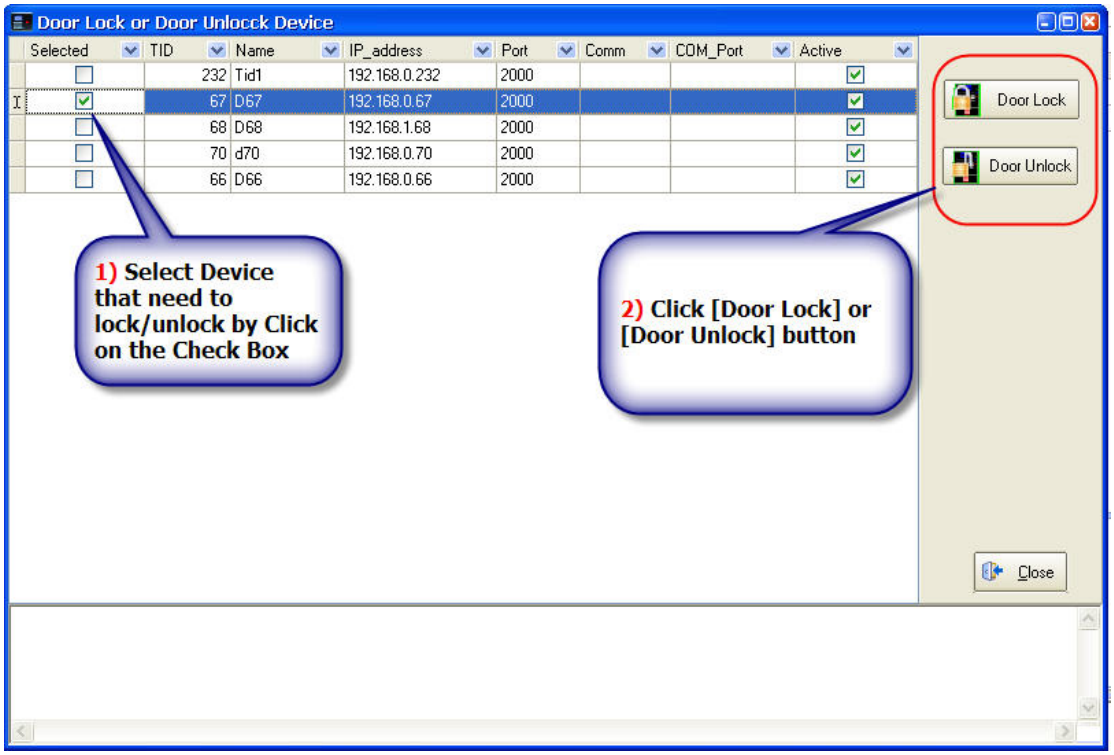
Edit Device is the same display as ADD Device window.

3.5.3. Delete Device

3.5.4. Search IP Address of Device

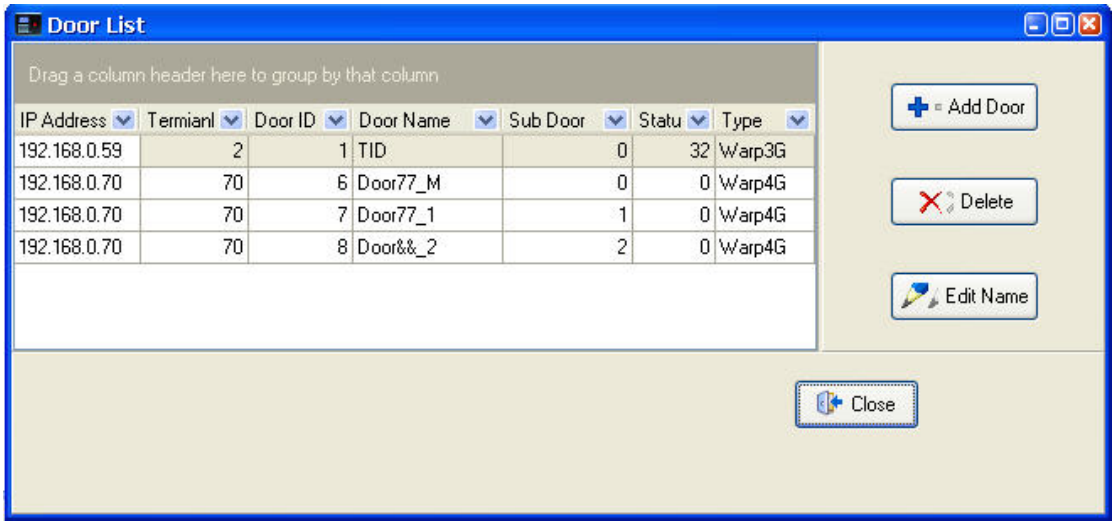


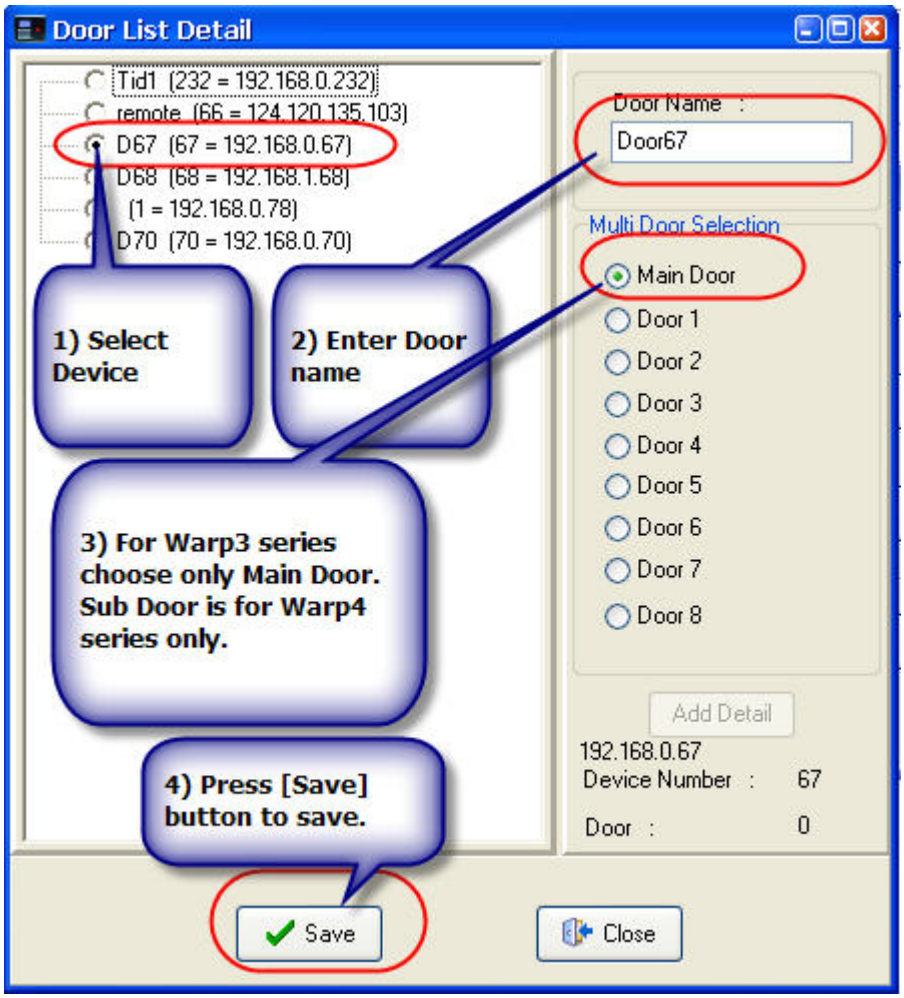
3.5.5. Door Unlock



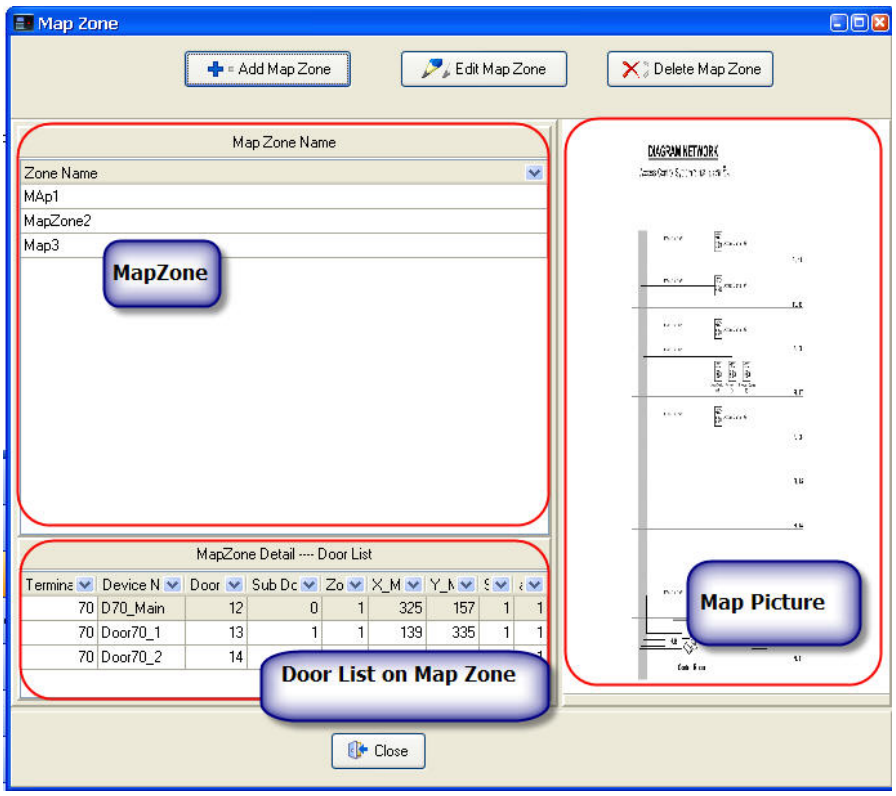
3.5.6. Door Lock

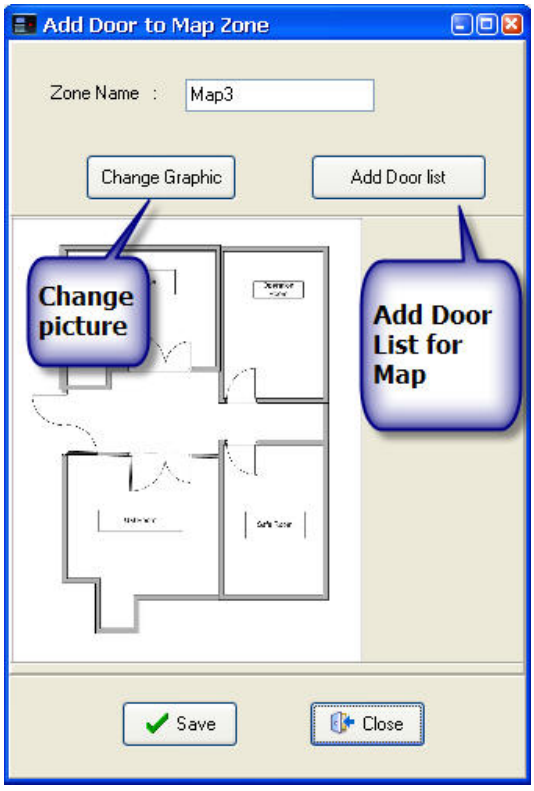
3.5.7. Add Door

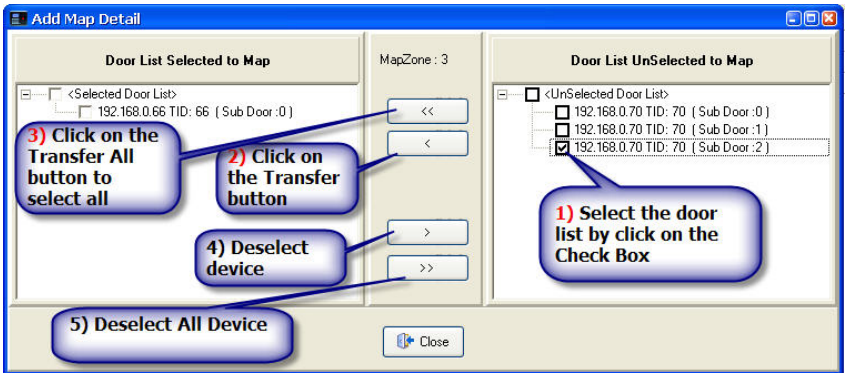

Door List
Drag a column header here to group by that column
IP Address | Termianl | Door ID | Door Name | Sub Door | Statu | Type
192.168.0.59 | 2 | 1 | TID | 0 | 32 | Warp3G
192.168.0.70 | 70 | 6 | Door77_M | 0 | 0 | Warp4G
192.168.0.70 | 70 | 7 | Door77_1 | 1 | 0 | Warp4G
192.168.0.70 | 70 | 8 | Door&&_2 | 2 | 0 | Warp4G
Add Door
Delete
Edit Name
Close


Door List Detail
Tid1 (232 = 192.168.0.232)
remote (66 = 124.120.135.103)
D67 (67 = 192.168.0.67)
D68 (68 = 192.168.1.68)
(1 = 192.168.0.78)
D70 (70 = 192.168.0.70)
Door Name :
Door67
Multi Door Selection
Main Door
Door 1
Door 2
Door 3
Door 4
Door 5
Door 6
Door 7
Door 8
1) Select Device
2) Enter Door name
3) For Warp3 series choose only Main Door. Sub Door is for Warp4 series only.
4) Press [Save] button to save.
Add Detail
192.168.0.67
Device Number : 67
Door : 0
Save
Close

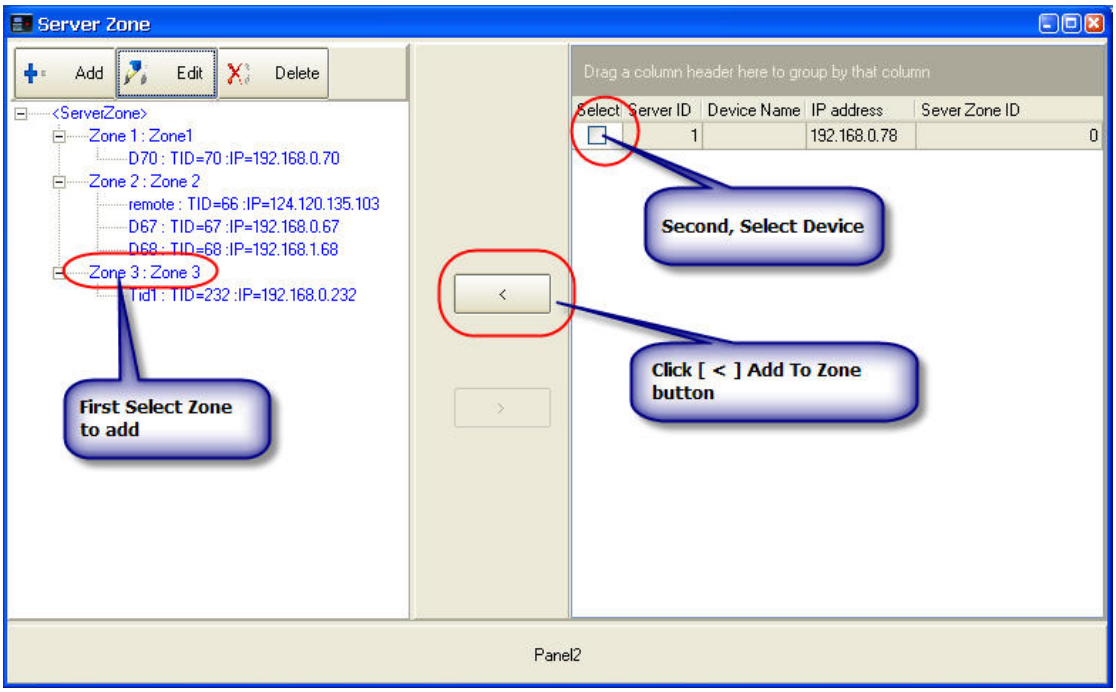
3.5.8. Add Map Zone



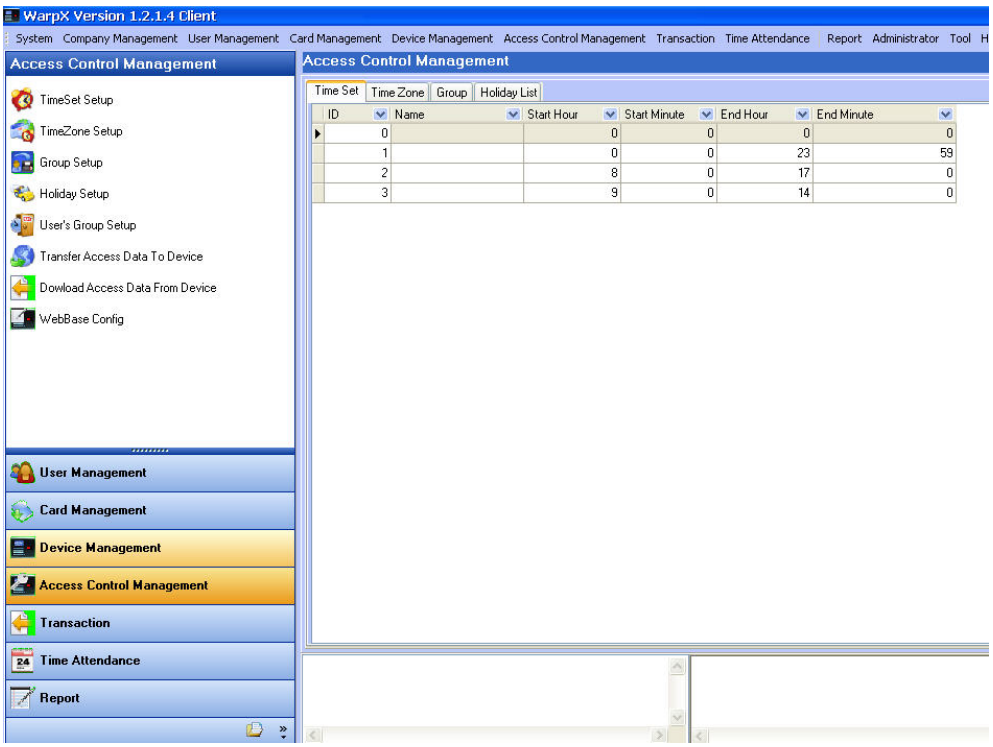




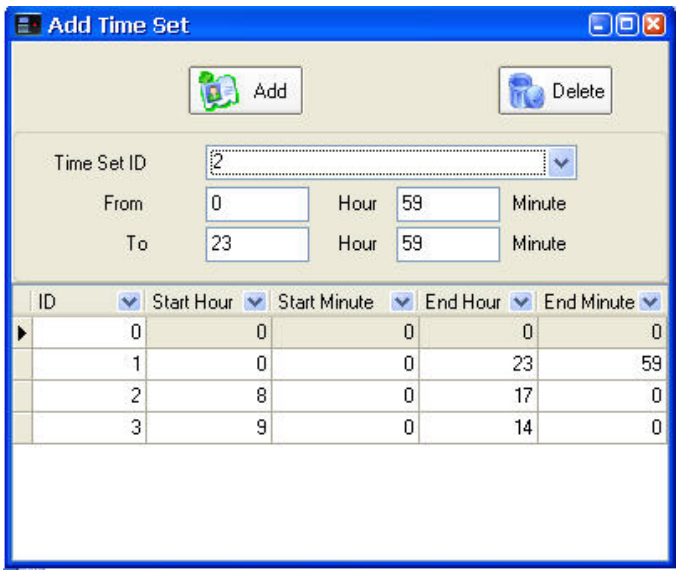
3.5.9. Add Zone (Server)



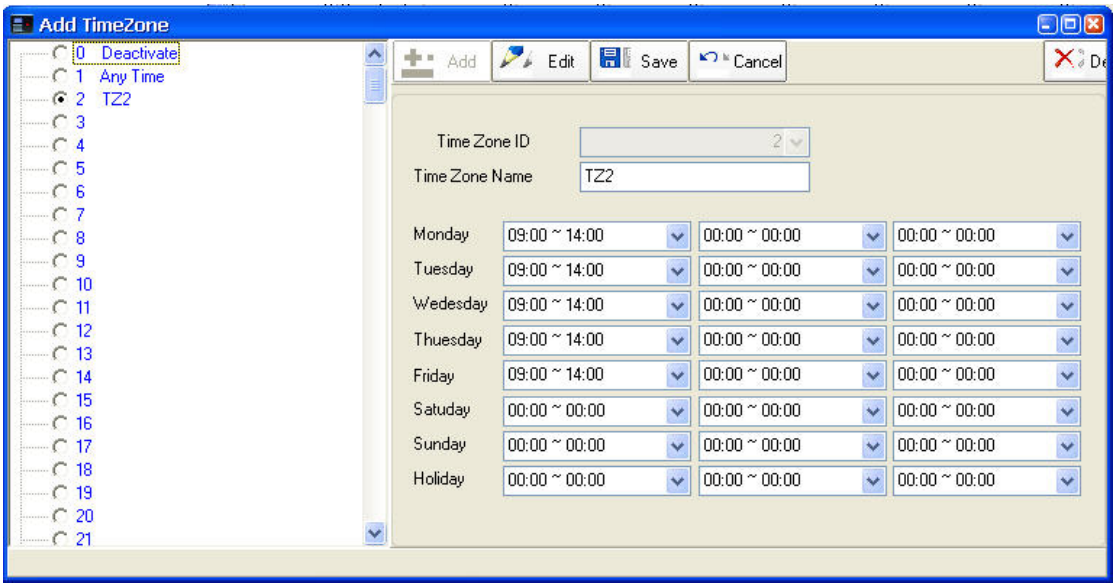
3.6. Access control Mangement



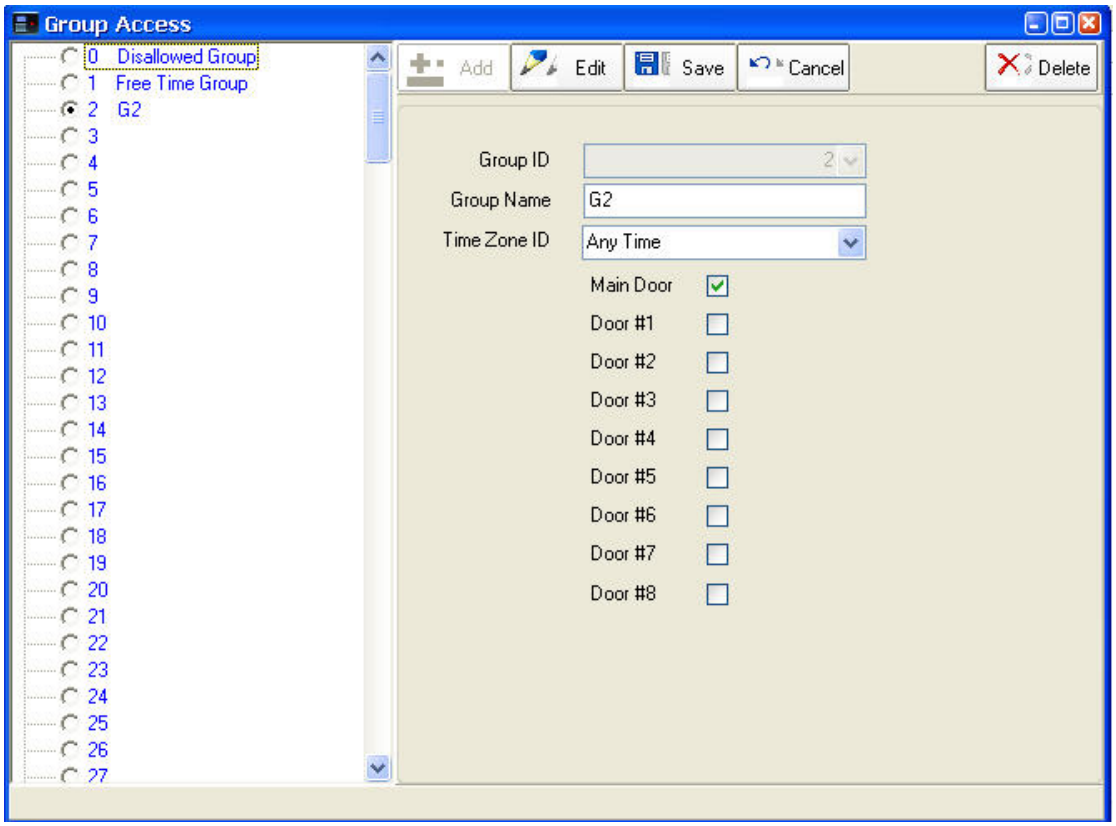
3.6.1. Time Set Setup



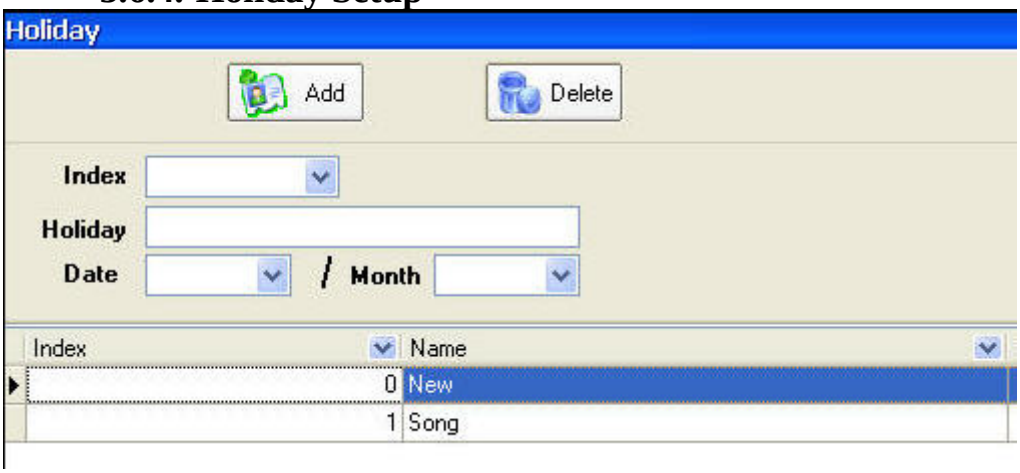
3.6.2. TimeZone Setup



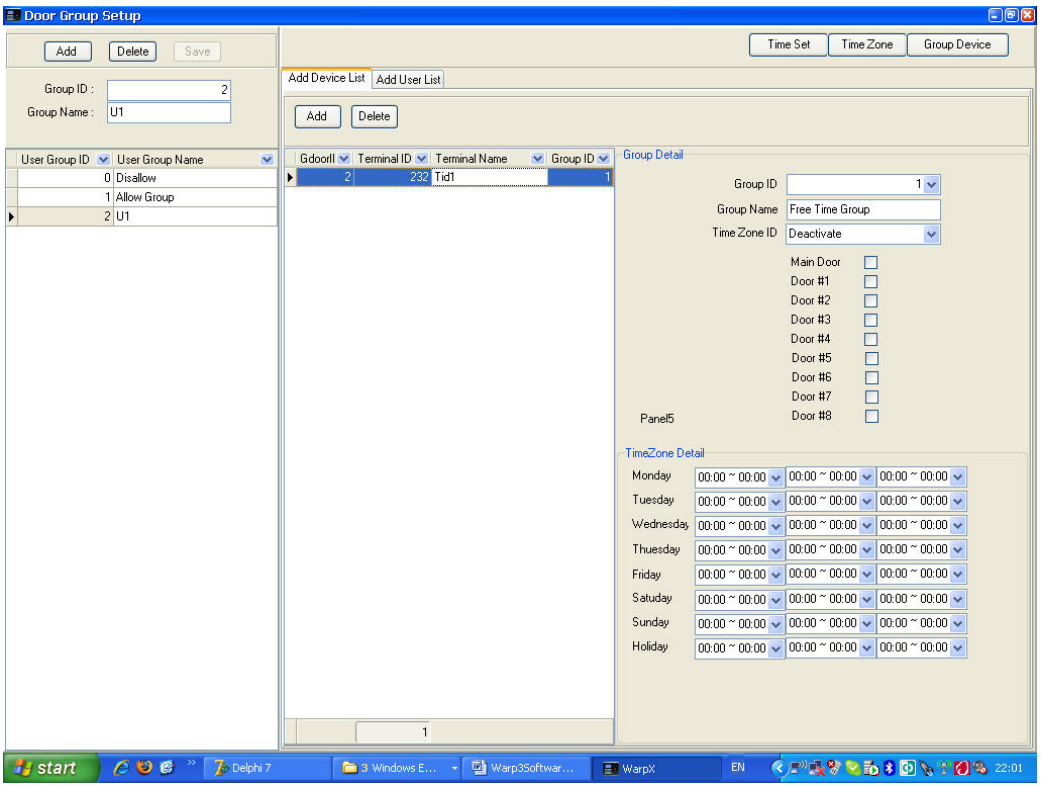
3.6.3. Group Setup (Access Group)

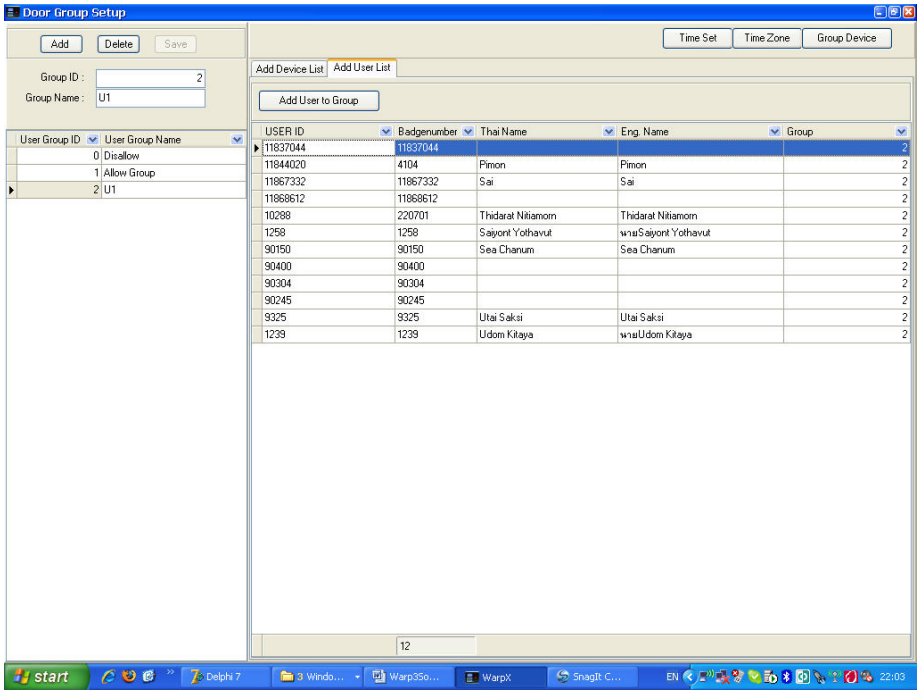


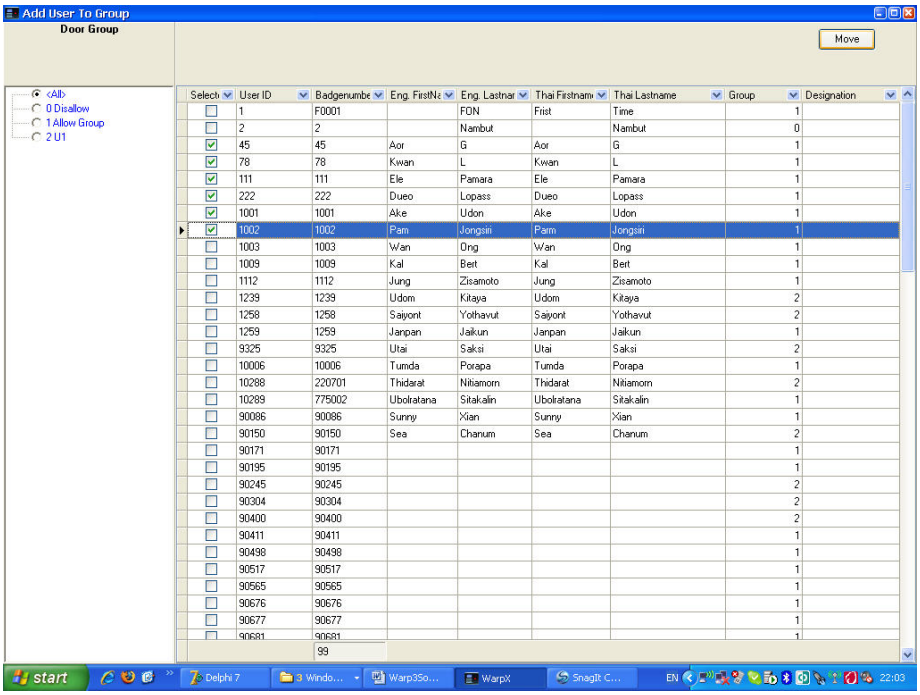
3.6.4. Holiday Setup



3.6.5. User's Group Setup

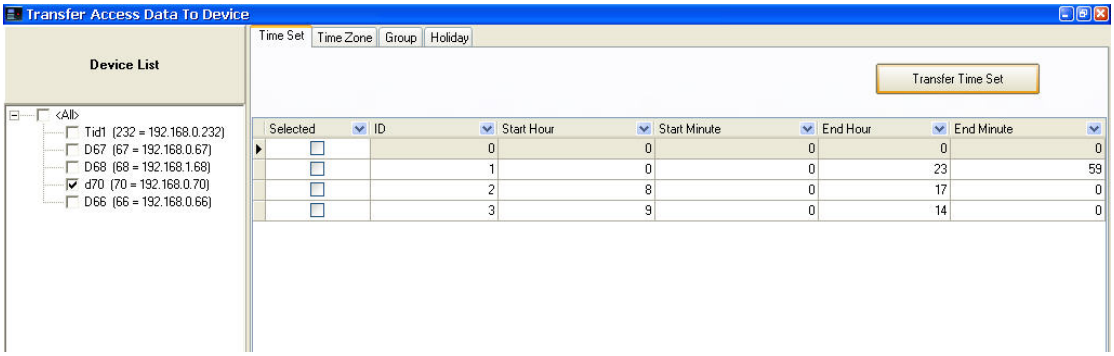


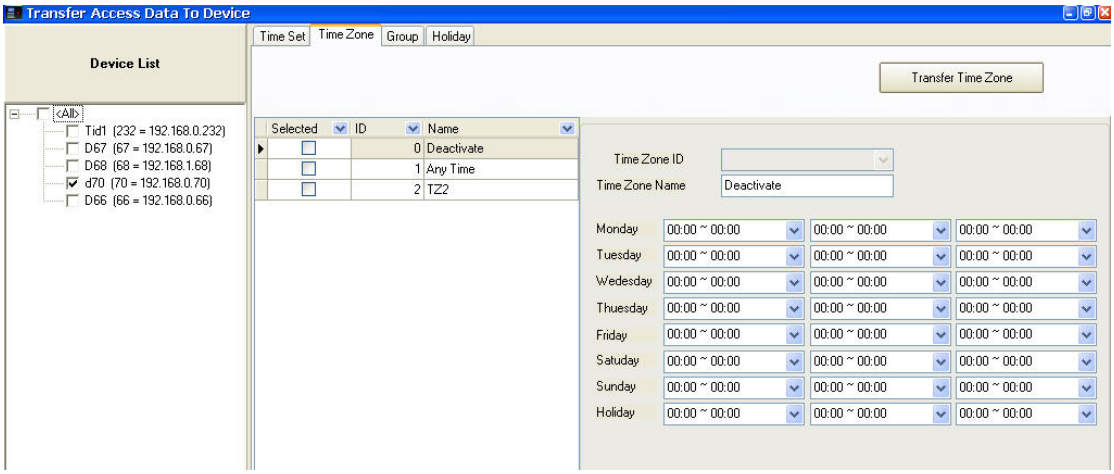

Door Group Setup
Add
Delete
Save
Group ID :
Group Name :
U1
User Group ID
User Group Name
0 Disallow
1 Allow Group
2 U1
Time Set
Time Zone
Group Device
Add Device List
Add User List
Add User to Group
USER ID
Badgenumber
Thai Name
Eng. Name
Group
11837044
11844020 4104 Pimon Pimon 2
11867332 11867332 Sai Sai 2
11868612 11868612 2
10288 220701 Thidarat Nitiamorn Thidarat Nitiamorn 2
1258 1258 Saiyont Yothavut นายSaiyont Yothavut 2
90150 90150 Sea Chanum Sea Chanum 2
90400 90400 2
90304 90304 2
90245 90245 2
9325 9325 Utai Saksi Utai Saksi 2
1239 1239 Udom Kitaya นายUdom Kitaya 2
12
start
Delphi 7
3 Windo...
Warp3So...
WarpX
SnagIt C...
EN
22:03

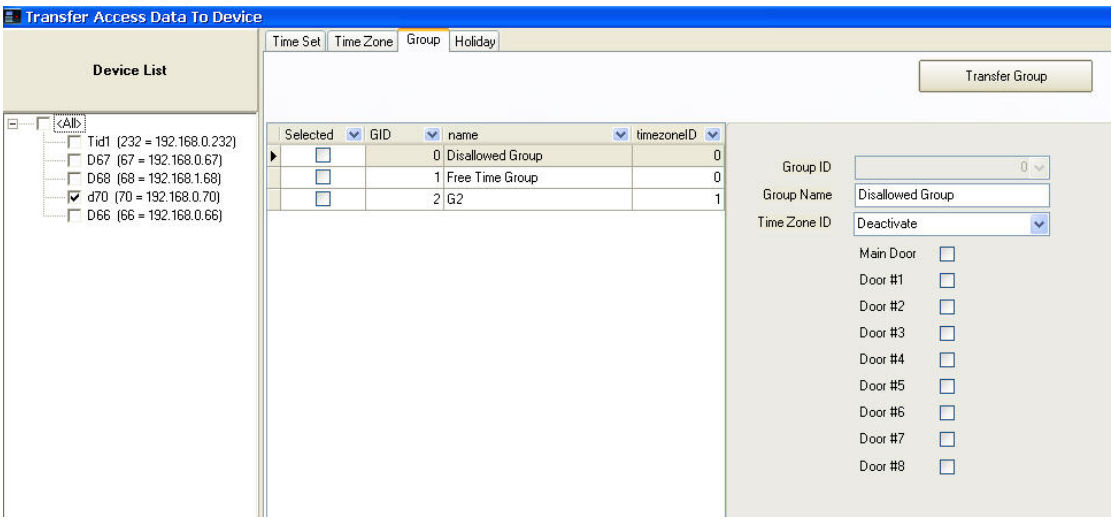

Add User To Group
Door Group
Move
<All>
0 Disallow
1 Allow Group
2 U1
Select
User ID
Badgenumbe
Eng. FirstNa
Eng. Lastnar
Thai Firstnam
Thai Lastname
Group
Designation
1 F0001 FON Frist Time 1
2 2 Nambut Nambut 0
45 45 Aor G Aor G 1
78 78 Kwan L Kwan L 1
111 111 Ele Pamara Ele Pamara 1
222 222 Dueo Lopass Dueo Lopass 1
1001 1001 Ake Udon Ake Udon 1
1002 1002 Pam Jongsiri Parm Jongsiri 1
1003 1003 Wan Ong Wan Ong 1
1009 1009 Kal Bert Kal Bert 1
1112 1112 Jung Zisamoto Jung Zisamoto 1
1239 1239 Udom Kitaya Udom Kitaya 2
1258 1258 Saiyont Yothavut Saiyont Yothavut 2
1259 1259 Janpan Jaikun Janpan Jaikun 1
9325 9325 Utai Saksi Utai Saksi 2
10006 10006 Tumda Porapa Tumda Porapa 1
10288 220701 Thidarat Nitiamorn Thidarat Nitiamorn 2
10289 775002 Ubolratana Sitakalin Ubolratana Sitakalin 1
90086 90086 Sunny Xian Sunny Xian 1
90150 90150 Sea Chanum Sea Chanum 2
90171 90171 1
90195 90195 1
90245 90245 2
90304 90304 2
90400 90400 2
90411 90411 1
90498 90498 1
90517 90517 1
90565 90565 1
90676 90676 1
90677 90677 1
99
start
Delphi 7
3 Windo...
Warp3So...
WarpX
SnagIt C...
EN
22:03

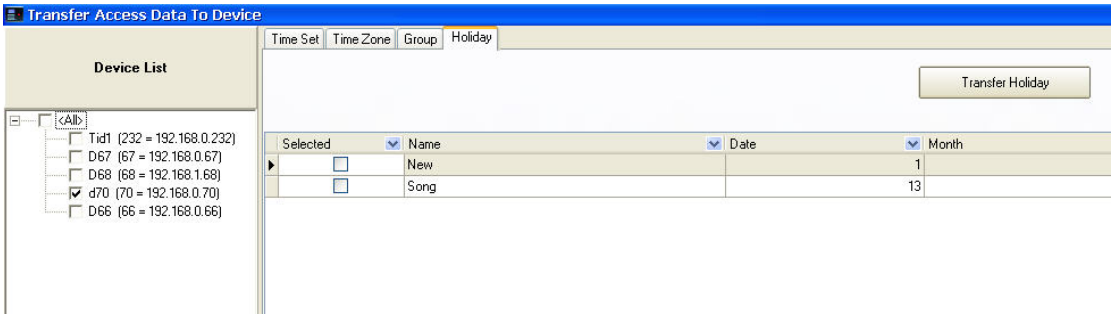
SiteCode For Door
Door Group ID
<All>
<All>
0 Disallow
1 Allow Group
2 U1

3.6.6. Transder Access Data to Device

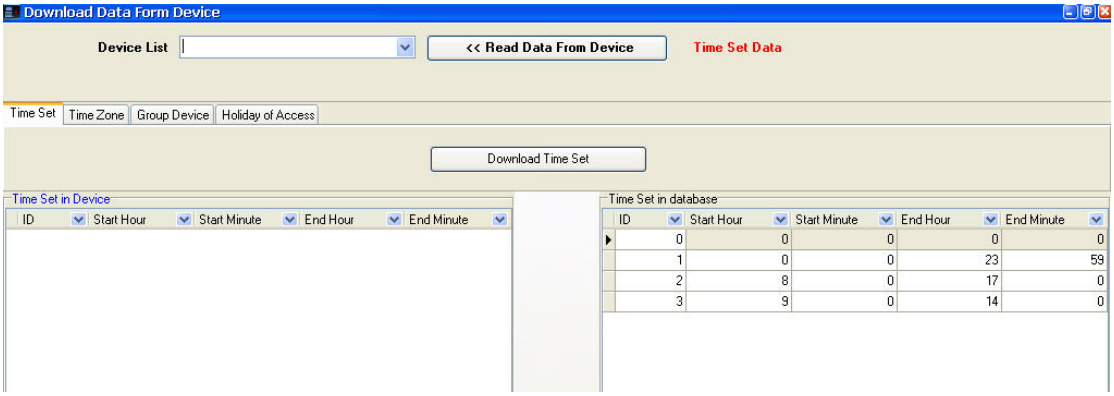


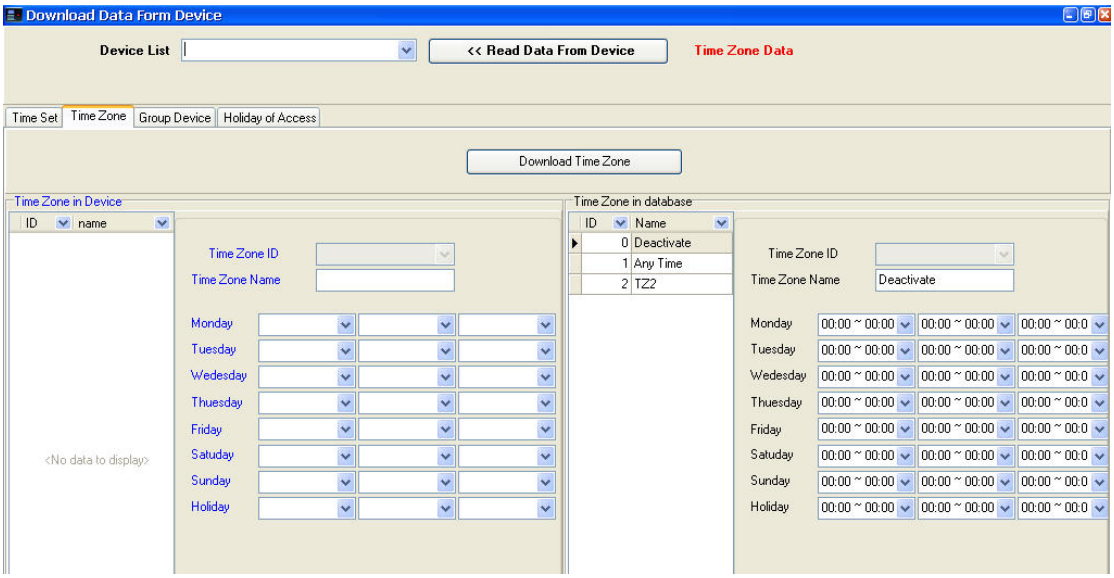


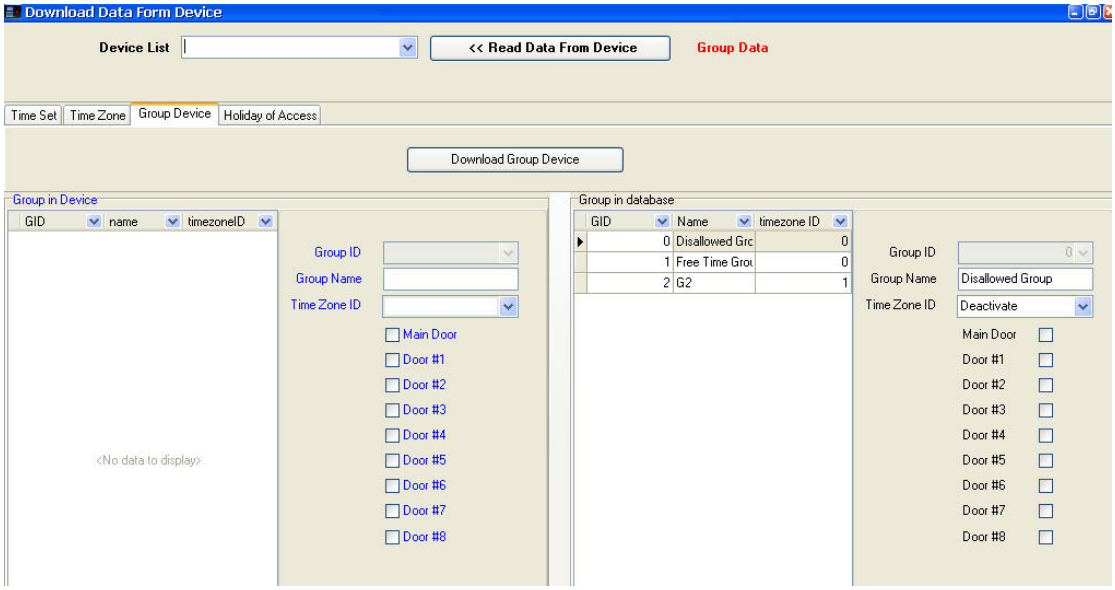


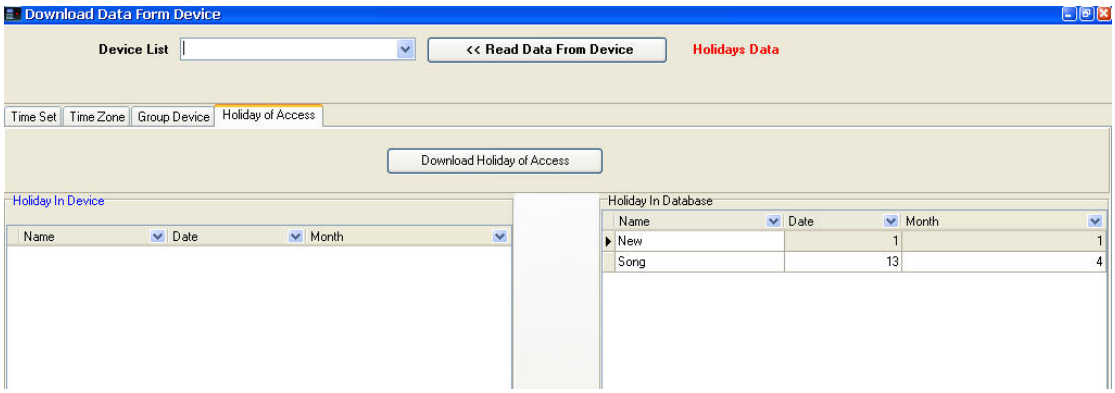


3.6.7. Download Access Data From Device



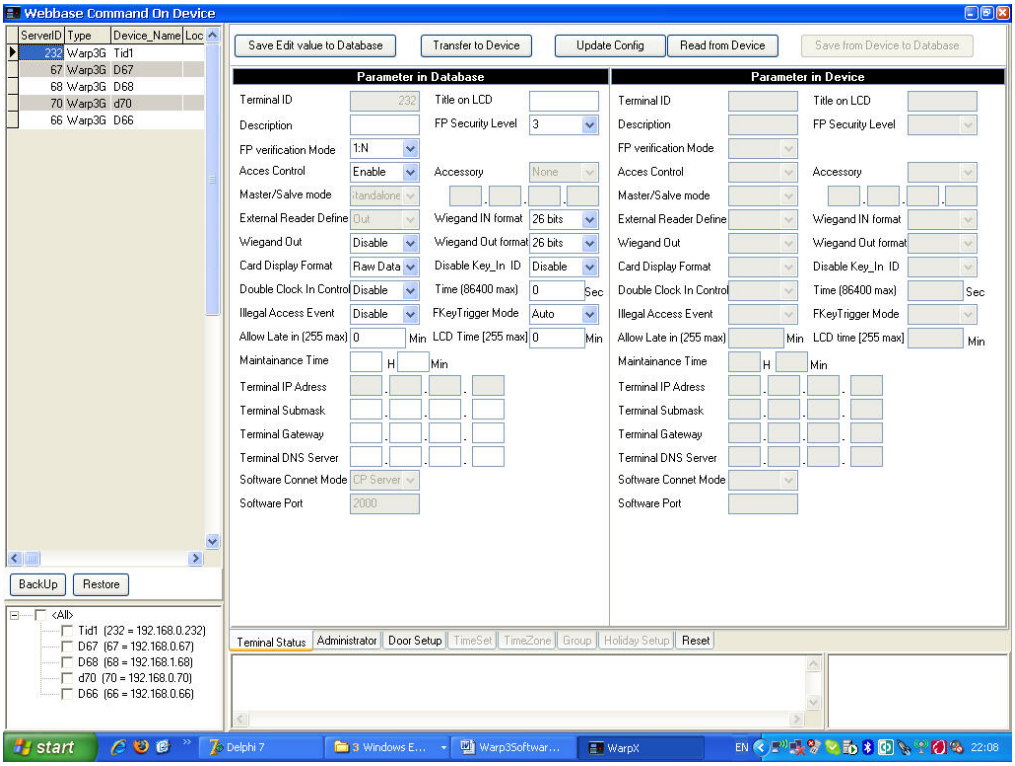



Download Data Form Device
Device List
<< Read Data From Device
Group Data
Time Set
Time Zone
Group Device
Holiday of Access
Download Group Device
Group in Device
GID
name
timezoneID
<No data to display>
Group ID
Group Name
Time Zone ID
Main Door
Door #1
Door #2
Door #3
Door #4
Door #5
Door #6
Door #7
Door #8
Group in database
GID
Name
timezone ID
0 Disallowed Grc 0
1 Free Time Grou 0
2 G2 1
Group ID
Group Name
Disallowed Group
Time Zone ID
Deactivate

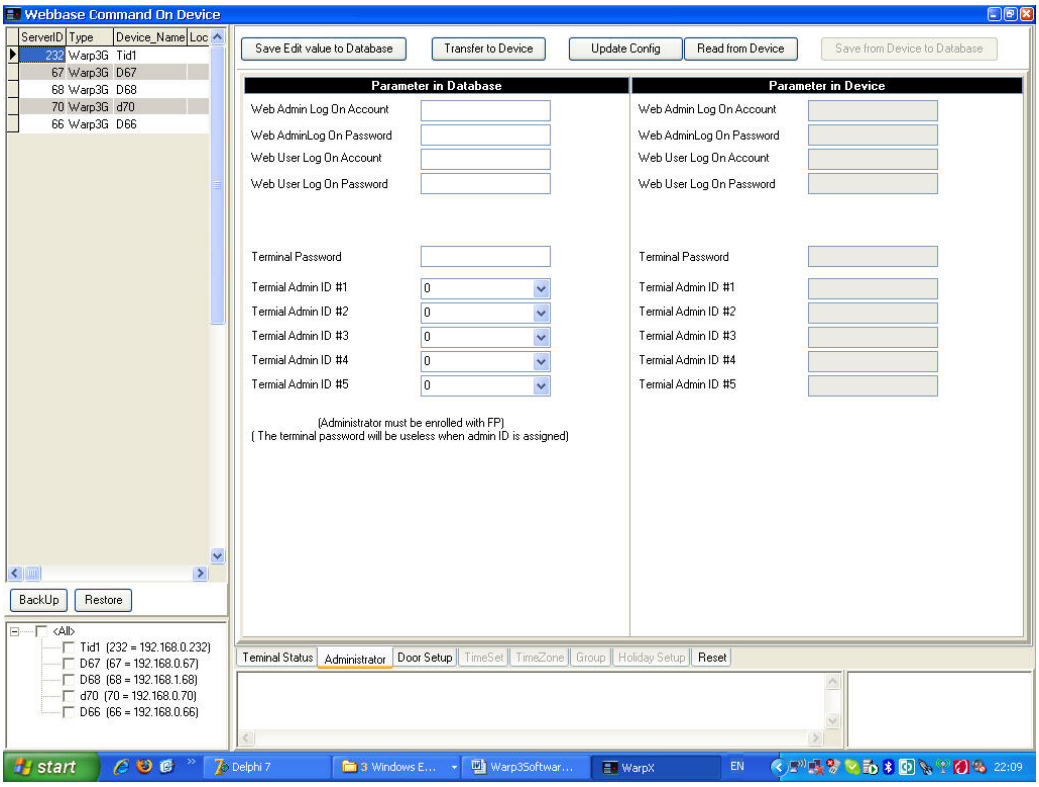

Download Data Form Device
Device List
<< Read Data From Device
Holidays Data
Time Set
Time Zone
Group Device
Holiday of Access
Download Holiday of Access
Holiday In Device
Name
Date
Month
Holiday In Database
Name
Date
Month
New 1 1
Song 13 4

3.6.8. Web Base Config

User can configure the Device parameters , backup and restore parameters via this page.

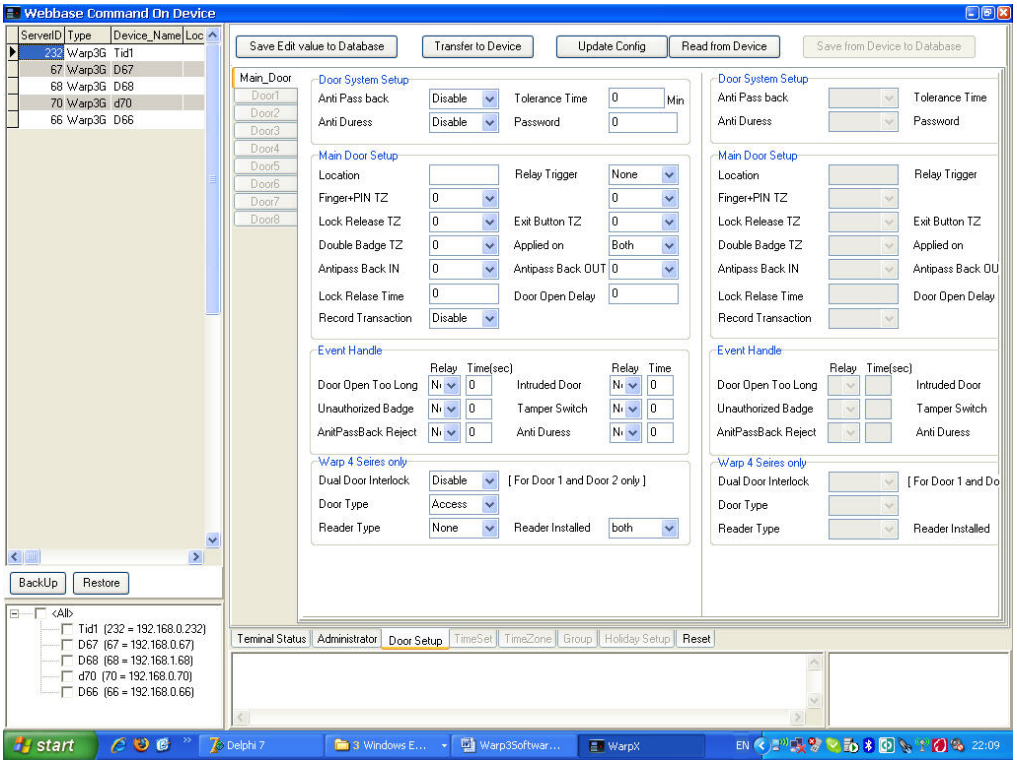


Terminal Status

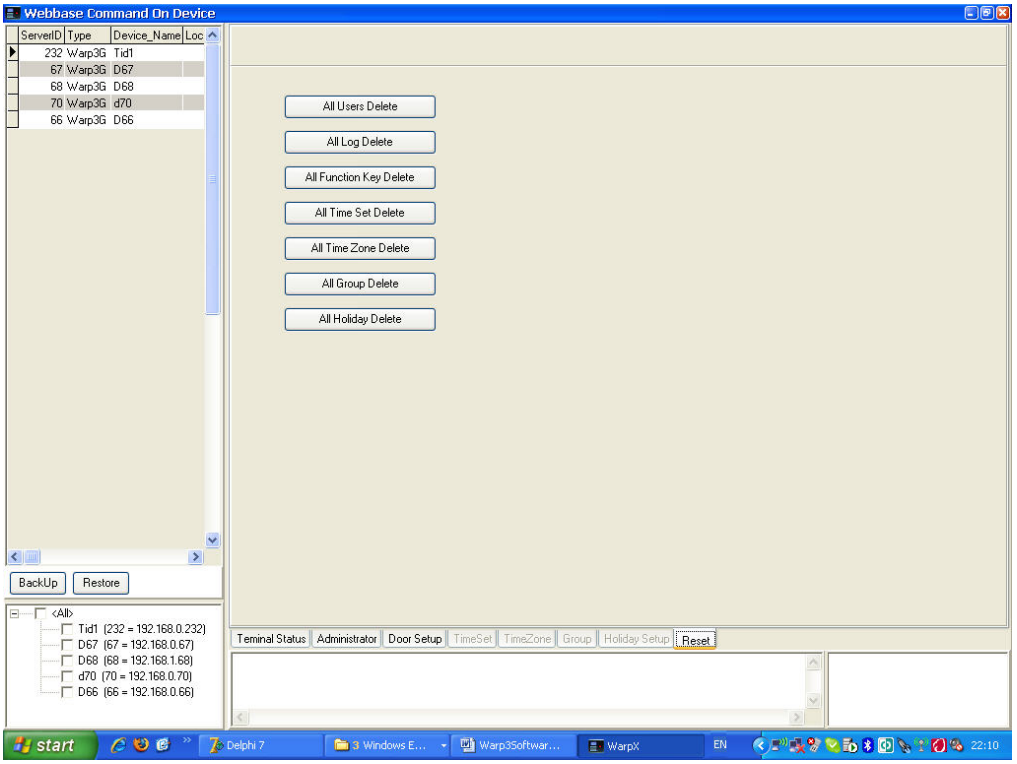


Administrator – Read/Write Admin password and Terminal Password.

Door Setup – Read/Write Door setup for system.



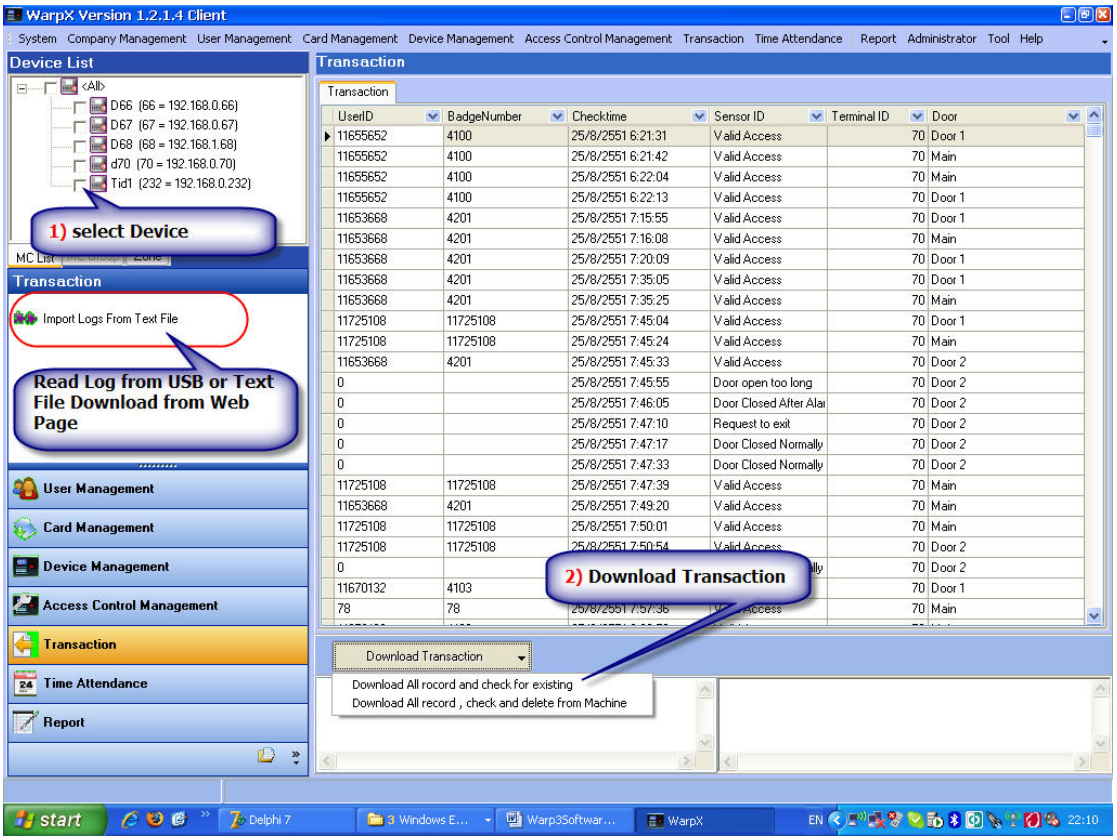
Reset --- Reset all information on the Device such as user information, Logs, Function Keys, Time Set, Time Zone, Access Group, Holiday etc.



3.7. Transaction

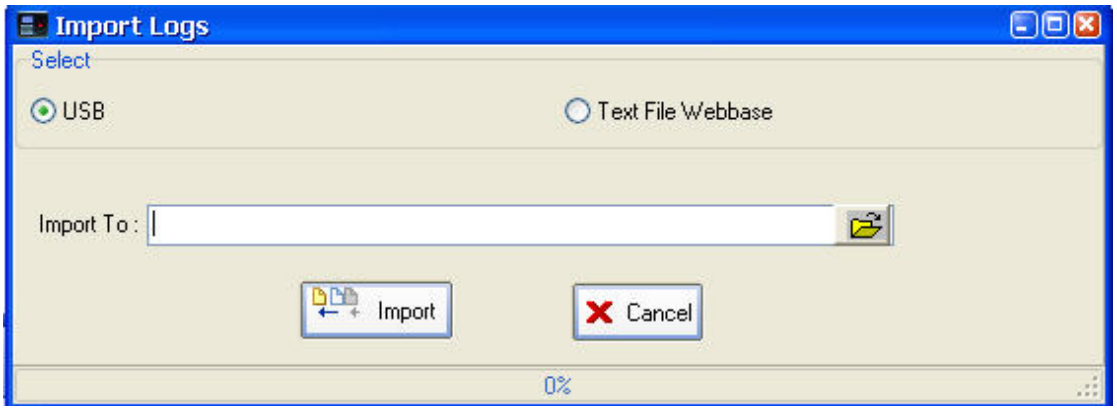
3.7.1. Normal Log

Select Device and click on the Download button to download all log into the Database.



3.7.2. Import Logs From Test File

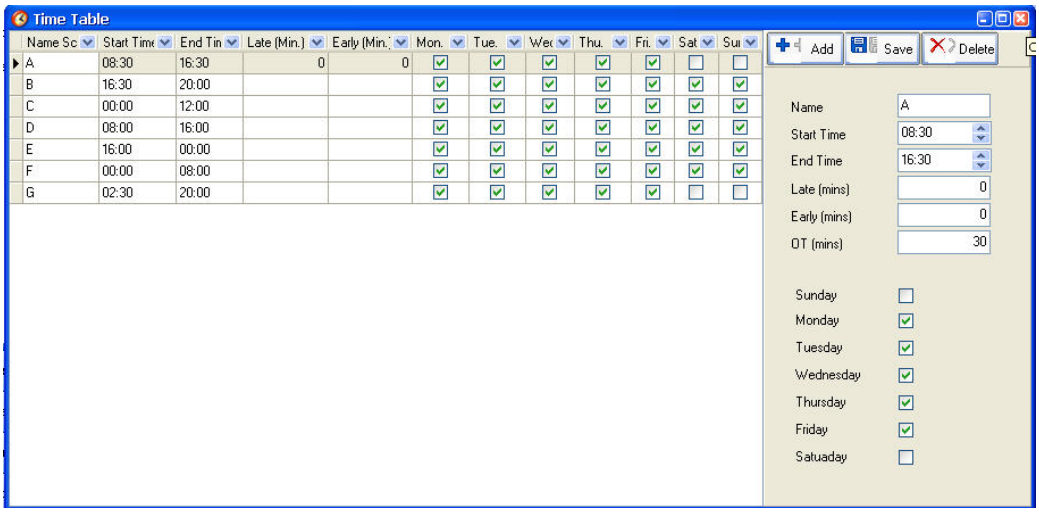
Download USB and Text file from Web base to system.



3.8. Time attendance

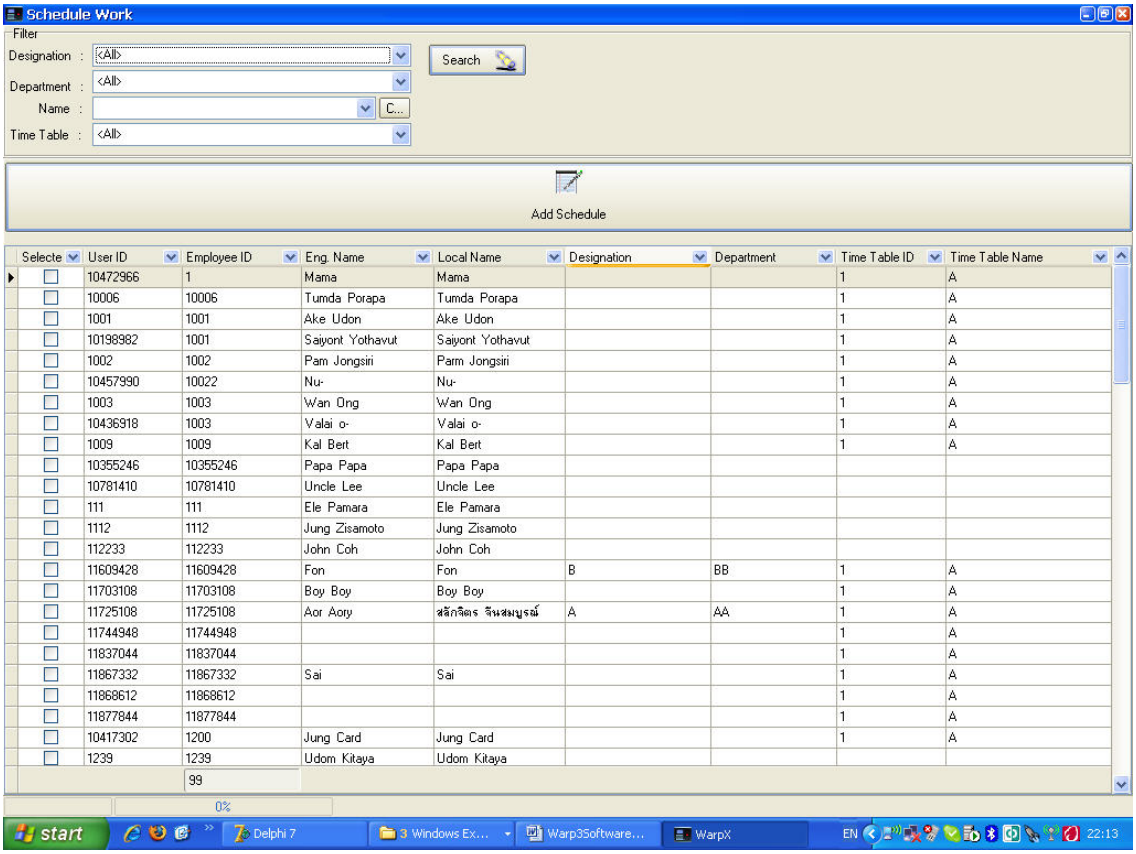
3.8.1. Time Table

Create Time Table define time and working days.



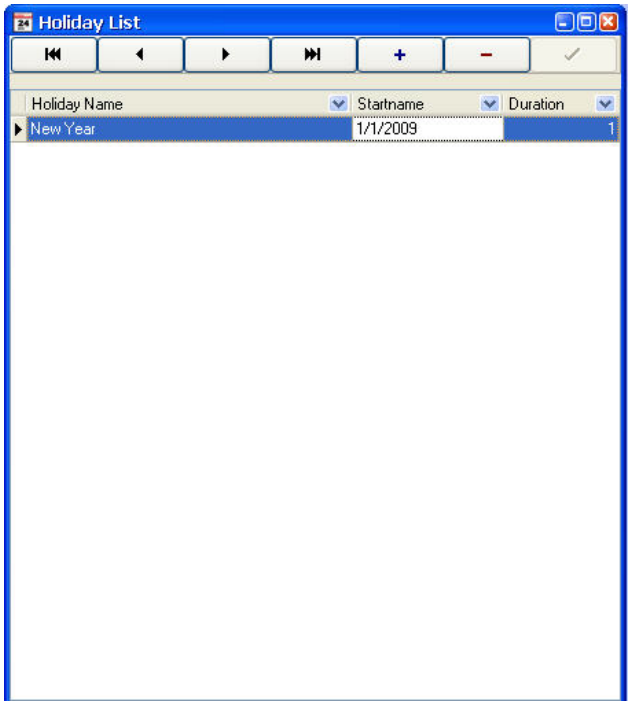
3.8.2. Schedule Work

Set schedule to worker.



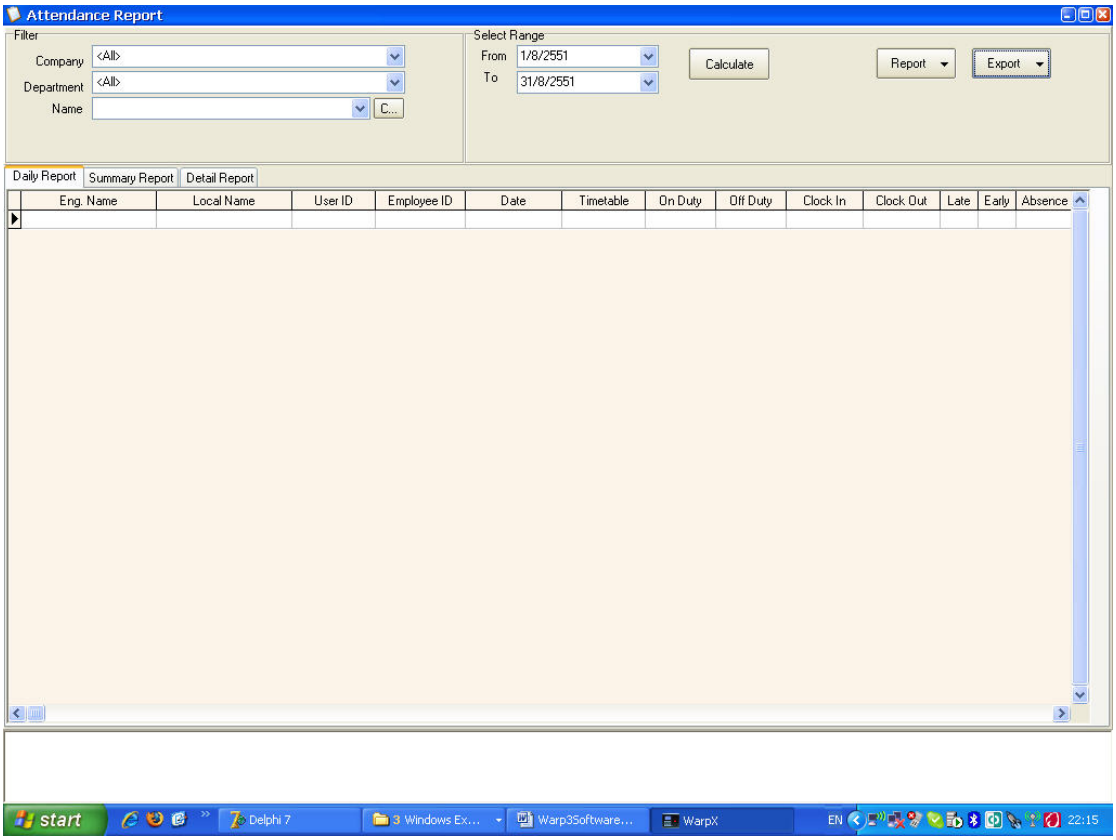
3.8.3. Holiday Time

Create Holiday.



3.8.4. Calculate Time Attendance

Click on [Calculate] button to start process. Then press [Report] button

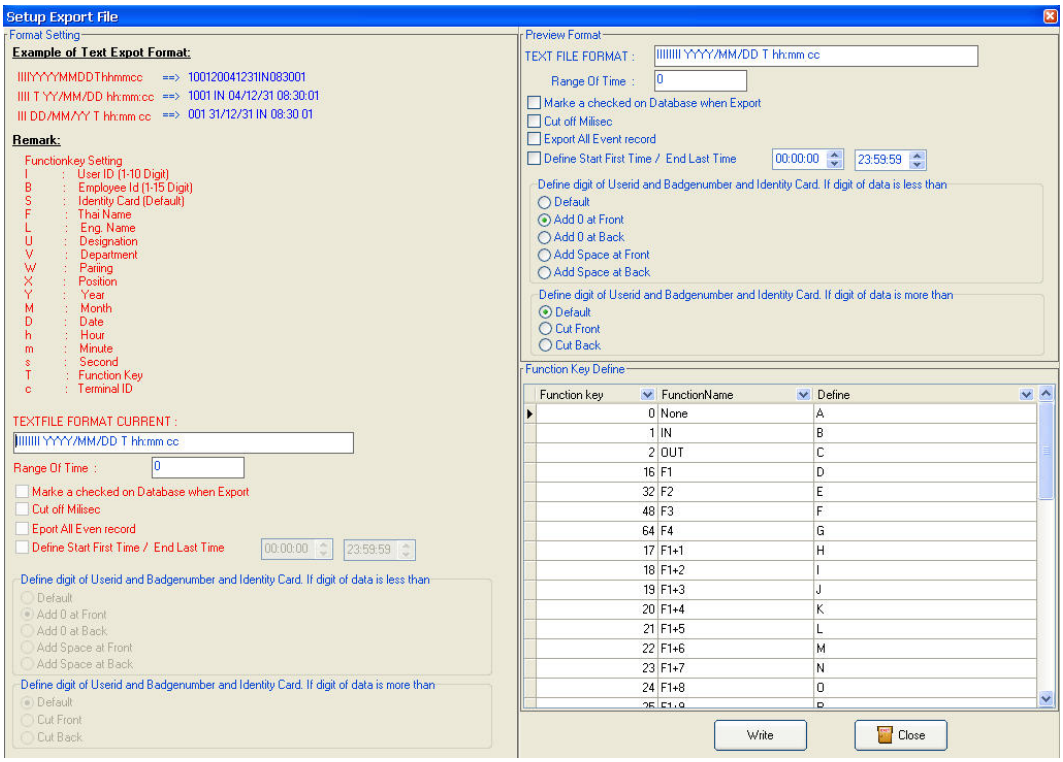


to display or print report.

3.9.Report

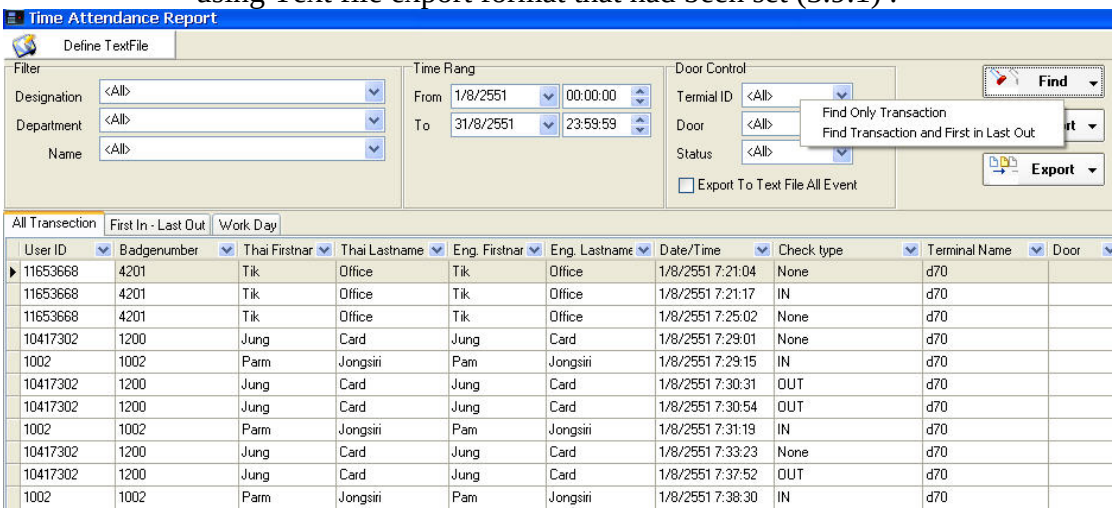
3.9.1. Text File Setup

Text file export format can be set using this page.



3.9.2. Time Attendance Report

Time attendace report (first in/ last out) . User can export text file using Text file export format that had been set (3.9.1) .



Transaction Report

From 1/8/2551 00:00:00 To 1/9/2551 23:59:59

No.	User ID - Name:	Employee ID	Date / Time	Terminal	Door	Status
1	11653668 Tik Office	4201	1/8/2551 7:21:04	d70	Door 1	Valid Access
2	11653668 Tik Office	4201	1/8/2551 7:21:17	d70	Main Door	valid Access
3	11653668 Tik Office	4201	1/8/2551 7:25:02	d70	Door 1	Valid Access
4	10417302 Jung Card	1200	1/8/2551 7:29:01	d70	Door 1	Valid Access
5	1002 Pam Jongsiri	1002	1/8/2551 7:29:15	d70	Main Door	valid Access
6	10417302 Jung Card	1200	1/8/2551 7:30:31	d70	Main Door	Valid Access
7	10417302 Jung Card	1200	1/8/2551 7:30:54	d70	Main Door	Valid Access
8	1002 Pam Jongsiri	1002	1/8/2551 7:31:19	d70	Main Door	valid Access
9	10417302 Jung Card	1200	1/8/2551 7:33:23	d70	Door 2	Valid Access
10	10417302 Jung Card	1200	1/8/2551 7:37:52	d70	Main Door	Valid Access
11	1002 Pam Jongsiri	1002	1/8/2551 7:38:30	d70	Main Door	valid Access
12	11749764 Eak	4102	1/8/2551 7:41:33	d70	Door 1	Valid Access
13	11749764 Eak	4102	1/8/2551 7:41:52	d70	Main Door	valid Access

Transaction Report

From 1/8/2551 00:00:00 To 13/8/2551 23:59:59

No.	User ID - Name:	Employee ID	Date / Time	Terminal	Door	Status
1	78 Kwan L	78	8/8/2008 7:44:21	d70	Main Door	
2	78 Kwan L	78	8/8/2008 8:05:34	d70	Main Door	
3	78 Kwan L	78	9/8/2008 8:45:53	d70	Main Door	valid Access
4	78 Kwan L	78	11/8/2008 8:43:52	d70	Main Door	
5	78 Kwan L	78	11/8/2008 9:15:40	d70	Main Door	
6	78 Kwan L	78	13/8/2008 7:44:52	d70	Main Door	Valid Access
7	1001 Ake Udon	1001	2/8/2008 9:47:36	d70	Door 1	
8	1001 Ake Udon	1001	2/8/2008 9:59:16	d70	Door 1	
9	1002 Pam Jongsiri	1002	1/8/2008 7:29:15	d70	Main Door	
10	1002 Pam Jongsiri	1002	1/8/2008 20:04:21	d70	Main Door	
11	1002 Pam Jongsiri	1002	2/8/2008 8:21:24	d70	Main Door	
12	1002 Pam Jongsiri	1002	2/8/2008 16:52:41	d70	Main Door	
13	1002 Pam Jongsiri	1002	4/8/2008 9:25:07	d70	Main Door	

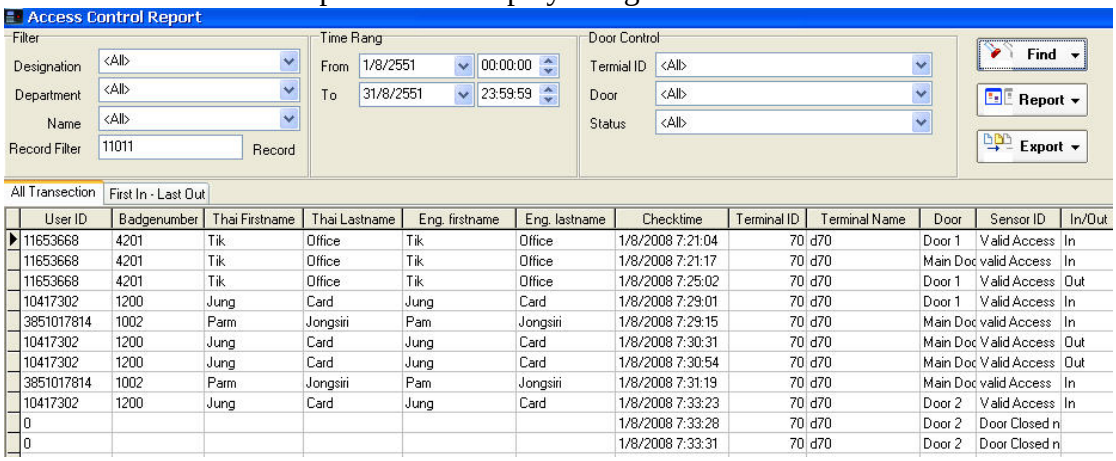
Work Day Report

From 1/8/2551 To 13/8/2551

User ID / Employee ID / Name		Date	IN	OUT	Rem IN	Rem Out	Work
10457990 / 10022	Nu-	5/8/2008	8:52:41	16:07:06			W
10457990 / 10022	Nu-	6/8/2008	8:53:05	15:57:30			W
10457990 / 10022	Nu-	7/8/2008	8:46:40	15:56:55			W
10457990 / 10022	Nu-	8/8/2008	11:40:56	15:15:59			W
10457990 / 10022	Nu-	9/8/2008	9:47:04	17:16:20			W

3.9.3. Access Control Report

Access report can be display using filter date/time and status .



User ID	Badgenumber	Thai Firstname	Thai Lastname	Eng. firstname	Eng. lastname	Checktime	Terminal ID	Terminal Name	Door	Sensor ID	In/Out
11653668	4201	Tik	Office	Tik	Office	1/8/2008 7:21:04	70	d70	Door 1	Valid Access	In
11653668	4201	Tik	Office	Tik	Office	1/8/2008 7:21:17	70	d70	Main Doo	valid Access	In
11653668	4201	Tik	Office	Tik	Office	1/8/2008 7:25:02	70	d70	Door 1	Valid Access	Out
10417302	1200	Jung	Card	Jung	Card	1/8/2008 7:29:01	70	d70	Door 1	Valid Access	In
3851017814	1002	Parm	Jongsiri	Pam	Jongsiri	1/8/2008 7:29:15	70	d70	Main Doo	valid Access	In
10417302	1200	Jung	Card	Jung	Card	1/8/2008 7:30:31	70	d70	Main Doo	Valid Access	Out
10417302	1200	Jung	Card	Jung	Card	1/8/2008 7:30:54	70	d70	Main Doo	Valid Access	Out
3851017814	1002	Parm	Jongsiri	Pam	Jongsiri	1/8/2008 7:31:19	70	d70	Main Doo	valid Access	In
10417302	1200	Jung	Card	Jung	Card	1/8/2008 7:33:23	70	d70	Door 2	Valid Access	In
0						1/8/2008 7:33:28	70	d70	Door 2	Door Closed n	
0						1/8/2008 7:33:31	70	d70	Door 2	Door Closed n	

Transaction Report

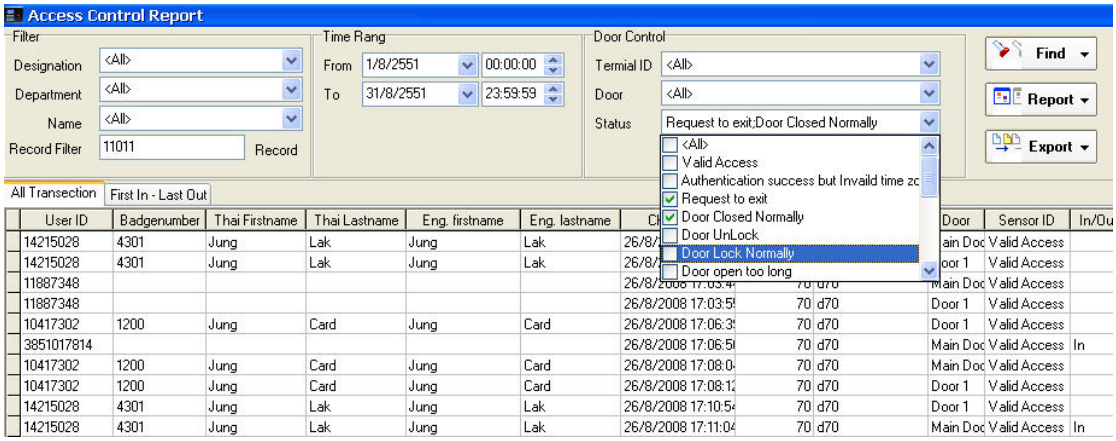
From 1/8/2551 00:00:00 To 1/9/2551 23:59:59

No.	User ID - Name:	Employee ID	Date / Time	Terminal	Door	Status	In/Out	Mode
1	11653668 Tik Office	4201	1/8/2551 7:21:04	d70	Door 1	Valid Access	In	C
2	11653668 Tik Office	4201	1/8/2551 7:21:17	d70	Main Door	valid Access	In	C
3	11653668 Tik Office	4201	1/8/2551 7:25:02	d70	Door 1	Valid Access	Out	C
4	10417302 Jung Card	1200	1/8/2551 7:29:01	d70	Door 1	Valid Access	In	C
5	3851017814 Pam Jongsiri	1002	1/8/2551 7:29:15	d70	Main Door	valid Access	In	F
6	10417302 Jung Card	1200	1/8/2551 7:30:31	d70	Main Door	Valid Access	Out	C
7	10417302 Jung Card	1200	1/8/2551 7:30:54	d70	Main Door	Valid Access	Out	C
8	3851017814 Pam Jongsiri	1002	1/8/2551 7:31:19	d70	Main Door	valid Access	In	F
9	10417302 Jung Card	1200	1/8/2551 7:33:23	d70	Door 2	Valid Access	In	C
10	0		1/8/2551 7:33:28	d70	Door 2	Door Closed normally		

Work Day Report

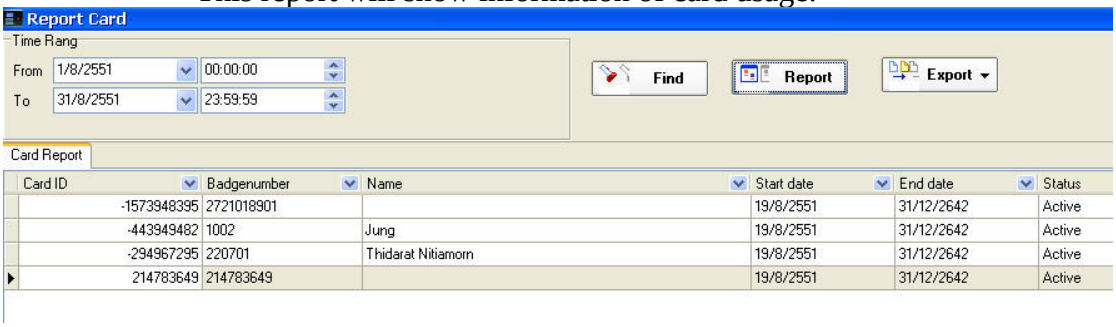
From 1/8/2551 To 1/9/2551

User ID / Employee ID / Name		Date	IN	OUT	Rem IN	Rem Out	Work
11655652 / 4100	ODD	1/8/2551	8:33:47	15:11:49			W
11655652 / 4100	ODD	10/8/2551					
11655652 / 4100	ODD	11/8/2551	8:12:45	13:40:32			W
11655652 / 4100	ODD	12/8/2551					
11655652 / 4100	ODD	13/8/2551					
11655652 / 4100	ODD	14/8/2551	8:03:00				W
11655652 / 4100	ODD	15/8/2551	10:32:04	16:01:06			W
11655652 / 4100	ODD	16/8/2551	8:32:05	14:22:15			W



3.9.4. Card Report

This report will show information of card usage.



Card Report

From 1/8/2551 00:00:00 To 1/9/2551 23:59:59

Card ID : 2721018901

No.	Employee ID	Name	Start Date	End Date	Status
1	2721018901		19/8/2551	31/12/2642	Use

Card ID : 3851017814

No.	Employee ID	Name	Start Date	End Date	Status
1	1002	Jung	19/8/2551	31/12/2642	Use

Card ID : 4000000001

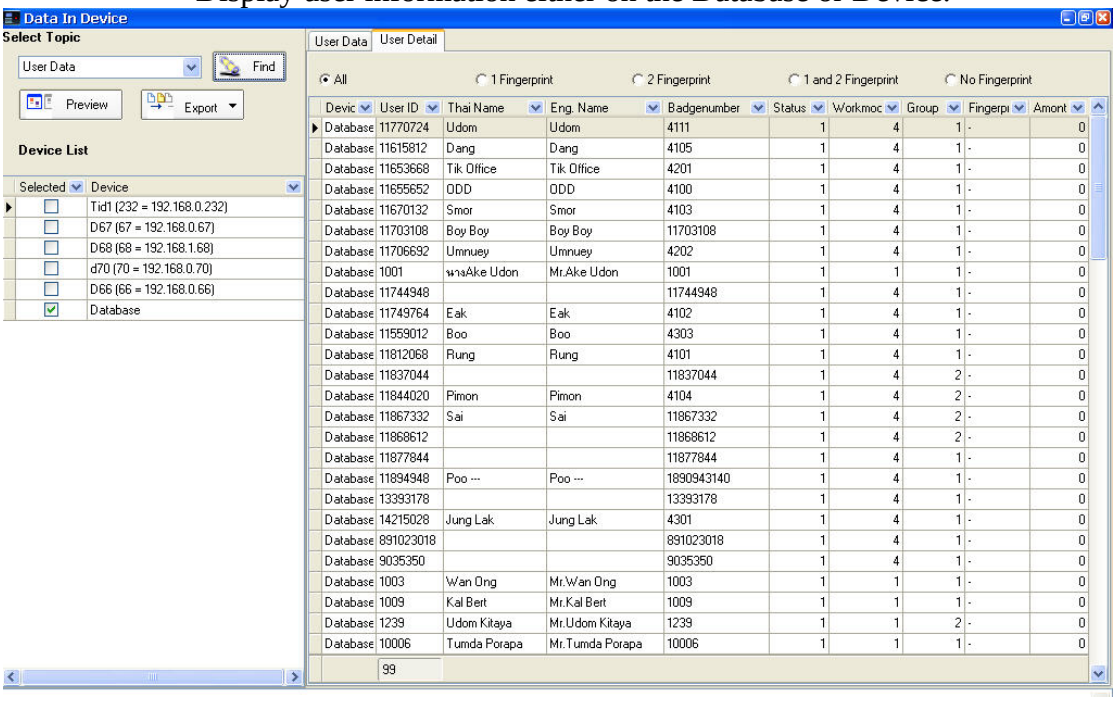
No.	Employee ID	Name	Start Date	End Date	Status
1	220701	Thidarat Nitiamorn	19/8/2551	31/12/2642	Use

Card ID : 214783649

No.	Employee ID	Name	Start Date	End Date	Status
1	214783649		19/8/2551	31/12/2642	Use

3.9.5. All Data Report

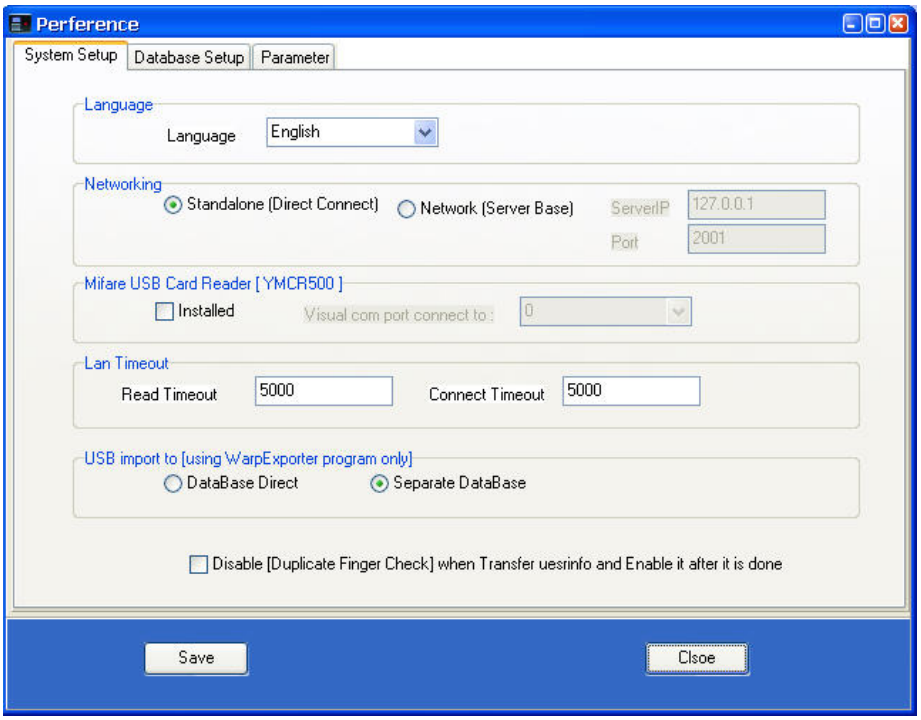
Display user information either on the Database or Device.



3.10. System

3.10.1. Perference

Parameter setup in system , database etc.

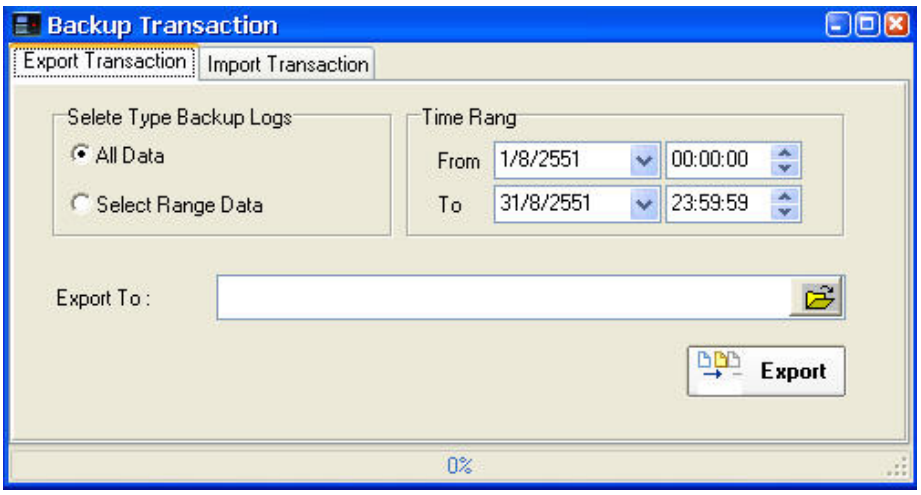


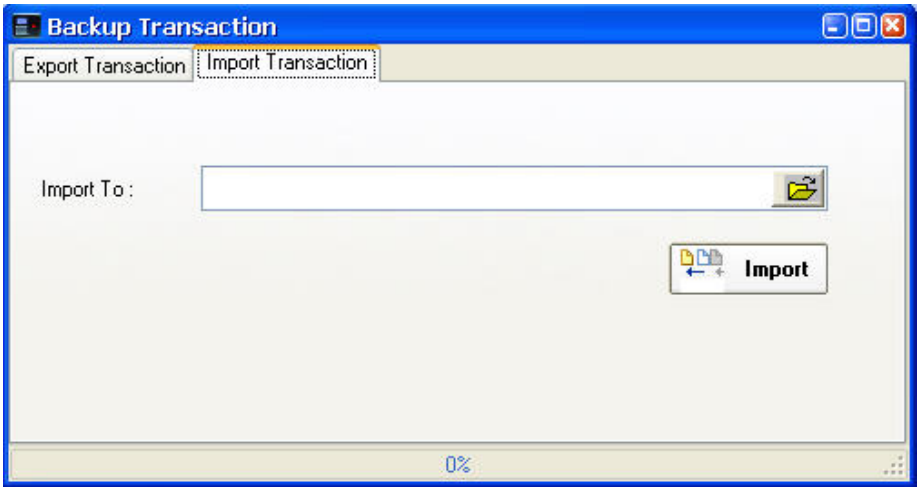
3.10.2. Backup Database

For user who used Microsoft Corporation Access database, MDB, user can backup the file to backup directory.

3.10.3. Backup Transaction

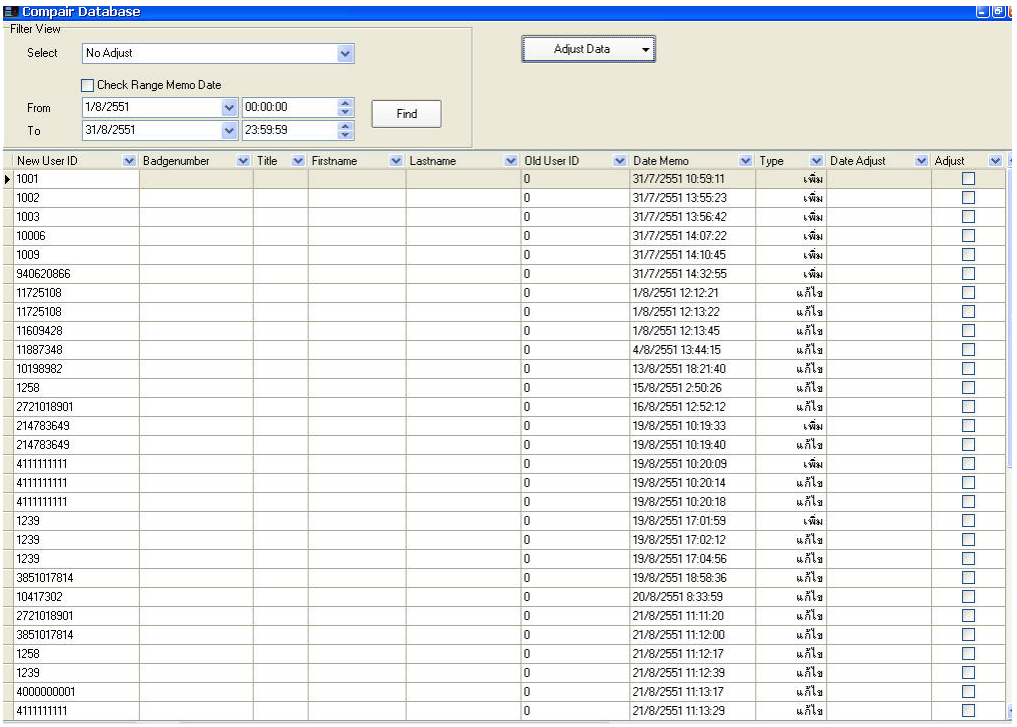
For user who used Microsoft Corporation Access database, MDB, user can backup the transaction to backup directory.





3.10.4. Compare Database

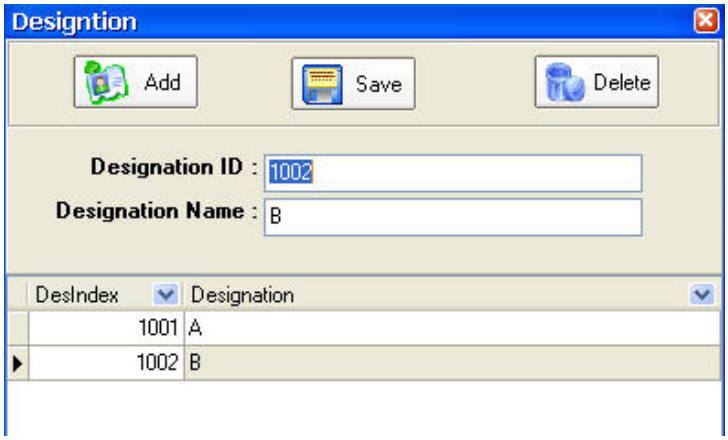
This function is only valet if “Secondary Database” is activate. It will compare the primary and secondary database.



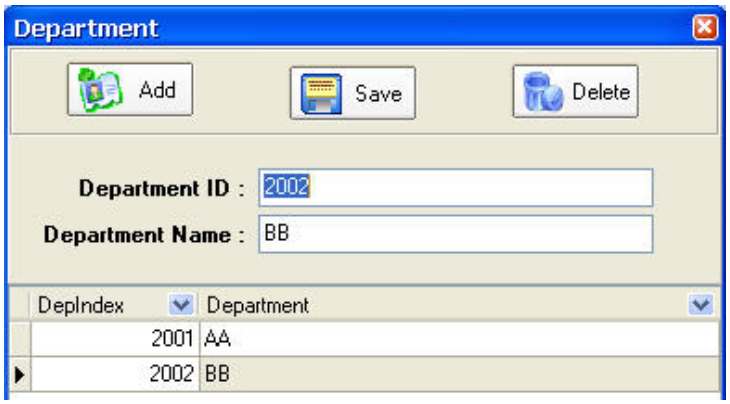
New User ID	Badgenumber	Title	Firstname	Lastname	Old User ID	Date Memo	Type	Date Adjust	Adjust
1001					0	31/7/2551 10:59:11	เพิ่ม		
1002					0	31/7/2551 13:55:23	เพิ่ม		
1003					0	31/7/2551 13:56:42	เพิ่ม		
10006					0	31/7/2551 14:07:22	เพิ่ม		
1009					0	31/7/2551 14:10:45	เพิ่ม		
940620866					0	31/7/2551 14:32:55	เพิ่ม		
11725108					0	1/8/2551 12:12:21	แก้ไข		
11725108					0	1/8/2551 12:13:22	แก้ไข		
11609428					0	1/8/2551 12:13:45	แก้ไข		
11887348					0	4/8/2551 13:44:15	แก้ไข		
10198982					0	13/8/2551 18:21:40	แก้ไข		
1258					0	15/8/2551 2:50:26	แก้ไข		
2721018901					0	16/8/2551 12:52:12	แก้ไข		
214783649					0	19/8/2551 10:19:33	เพิ่ม		
214783649					0	19/8/2551 10:19:40	แก้ไข		
4111111111					0	19/8/2551 10:20:09	เพิ่ม		
4111111111					0	19/8/2551 10:20:14	แก้ไข		
4111111111					0	19/8/2551 10:20:18	แก้ไข		
1239					0	19/8/2551 17:01:59	เพิ่ม		
1239					0	19/8/2551 17:02:12	แก้ไข		
1239					0	19/8/2551 17:04:56	แก้ไข		
3851017814					0	19/8/2551 18:58:36	แก้ไข		
10417302					0	20/8/2551 8:33:59	แก้ไข		
2721018901					0	21/8/2551 11:11:20	แก้ไข		
3851017814					0	21/8/2551 11:12:00	แก้ไข		
1258					0	21/8/2551 11:12:17	แก้ไข		
1239					0	21/8/2551 11:12:39	แก้ไข		
4000000001					0	21/8/2551 11:13:17	แก้ไข		
4111111111					0	21/8/2551 11:13:29	แก้ไข		

3.11. Company Management

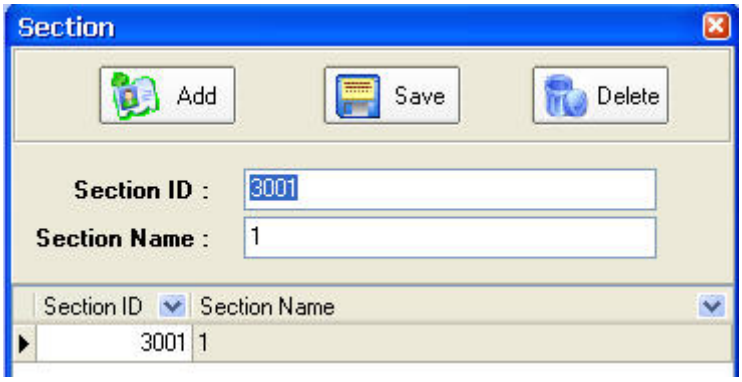
3.11.1. Designation



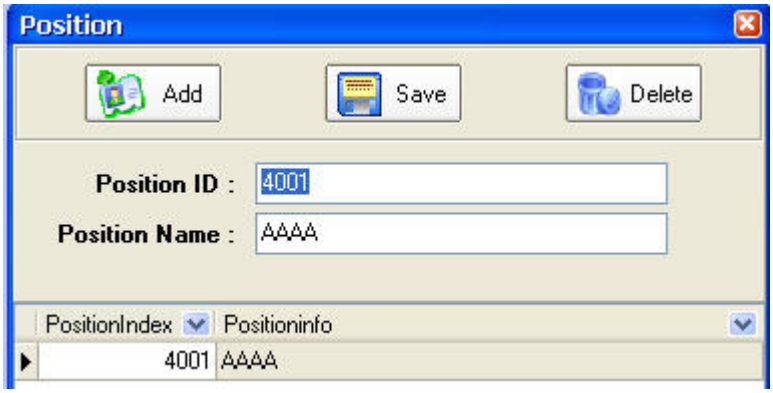
3.11.2. Department



3.11.3. Section

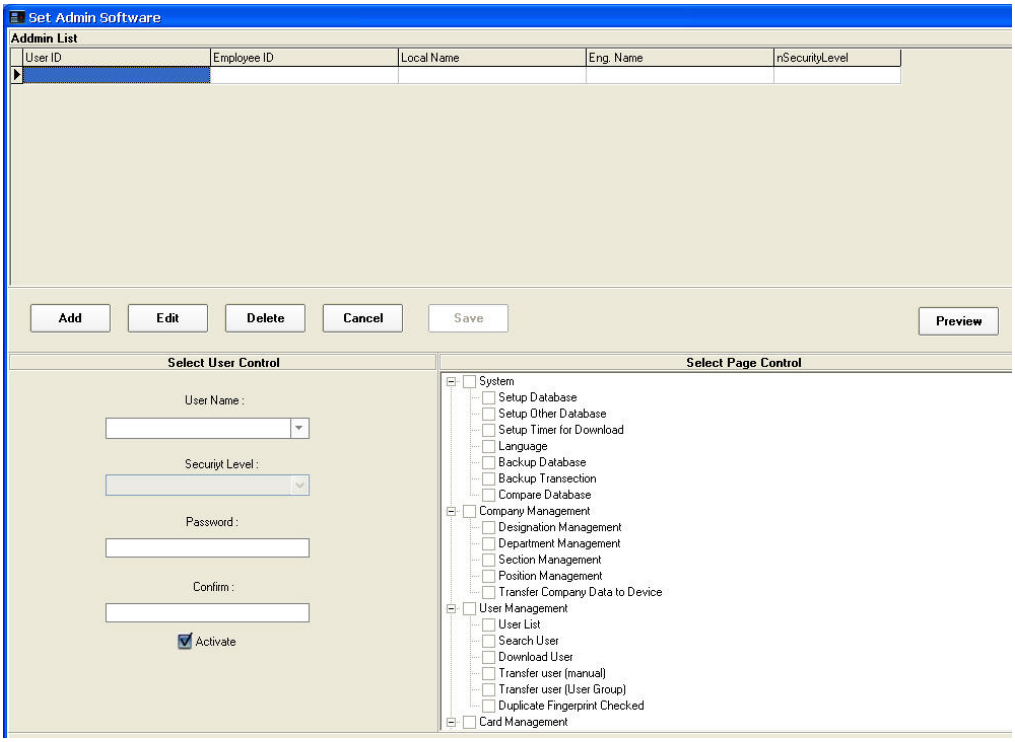


3.11.4. Postion

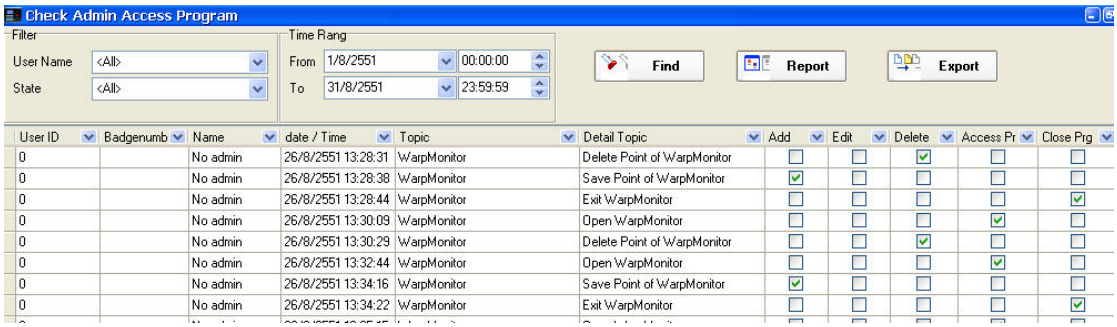


3.12. Administrator

Administrator can setup Software Usage account by enable each user to access in each categories.

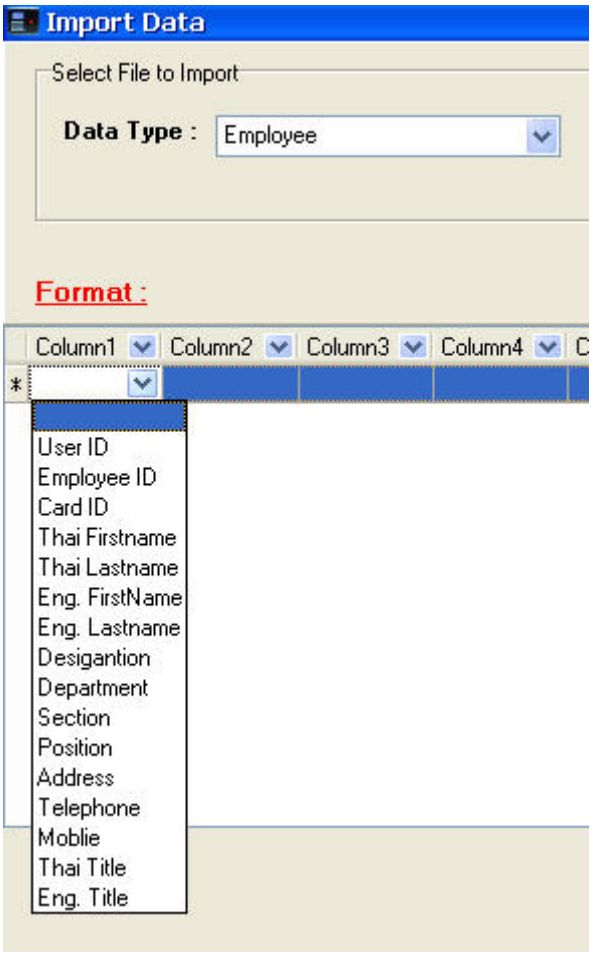


Administrator can also using the software to check the administrator log file of the system by choosing date/time and press [Find]. It will shows all admin logs transactions.



3.13. Tools

3.13.1. Import User



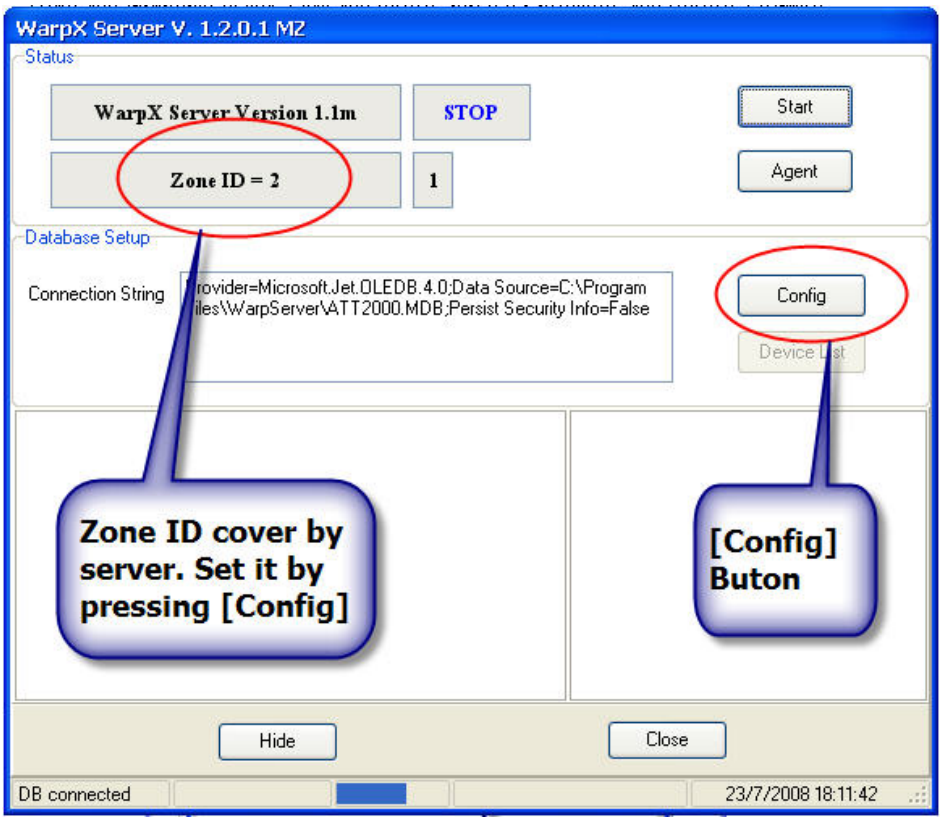
User can import data from text files or Excel file by define each column.

3.14. Help

Help File

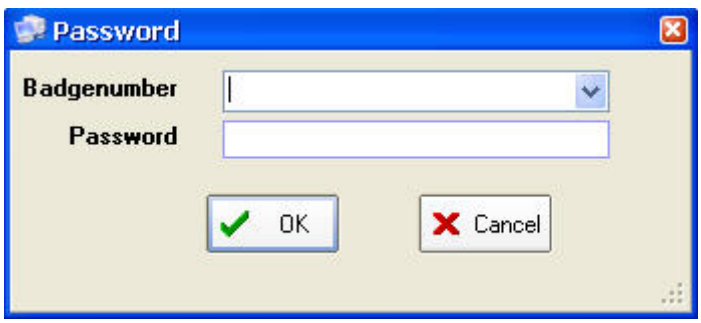
4. Warp Server Program

WarpServer program is based on the Zone Server (define by WarpX_Client program). Thus in order to run WarpServer, user needs to configure the Zone Server using WarpX_Client first.



4.1. Config

Before enter each function, user need to enter valid Badge number and password .



4.1.1. System Config

4.1.1.1. Zone ID

Choose the Zone Server ID in which WarpServer is covering.

4.1.1.2. Language

Choose Language.

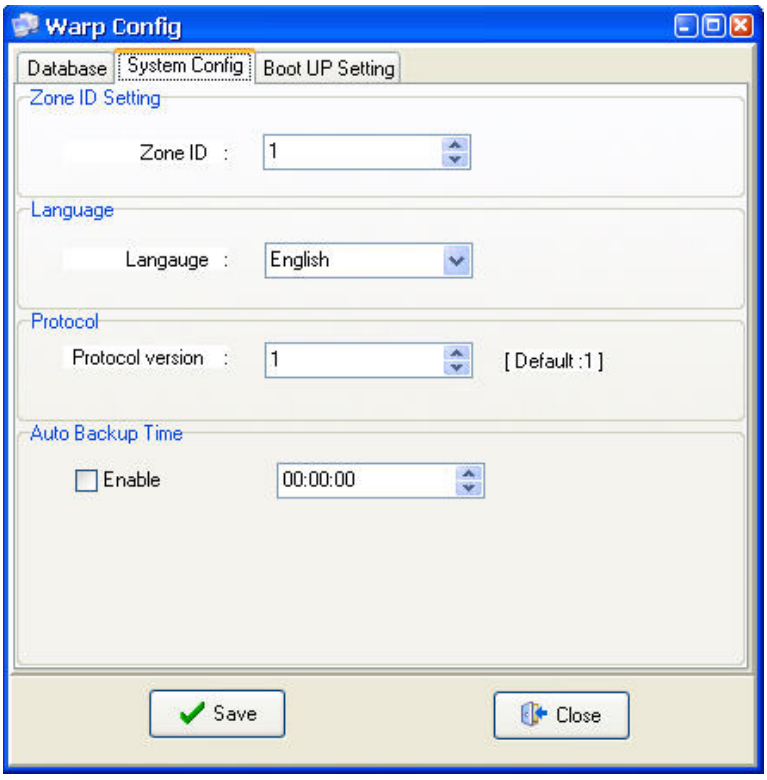
4.1.1.3. Protocol

Choose protocol in which the server runs. Default =1 (for normal real time mode), '2' is for GPRS server mode.

4.1.1.4. AutoBackup

In real time mode, Device will sent transaction to WarpServer real time, if transaction success, device will mark the transaction as "Checked".

In some case, user may want to ensure that all transaction is fully saved to database by setting time to let WarpServer to pull all transaction one more time even if the transaction is already "Checked".



4.1.2. Boot up Setting

4.1.2.1. Fixed IP Address

If computer that install WarpServer have more than 1 NIC (Network Interface Card) , that user might need to choose the right NIC IP address to let WarpServer running in the right network by fix the IP Address of the NIC that connected to the device.

4.1.2.2. Pulling Connection Time

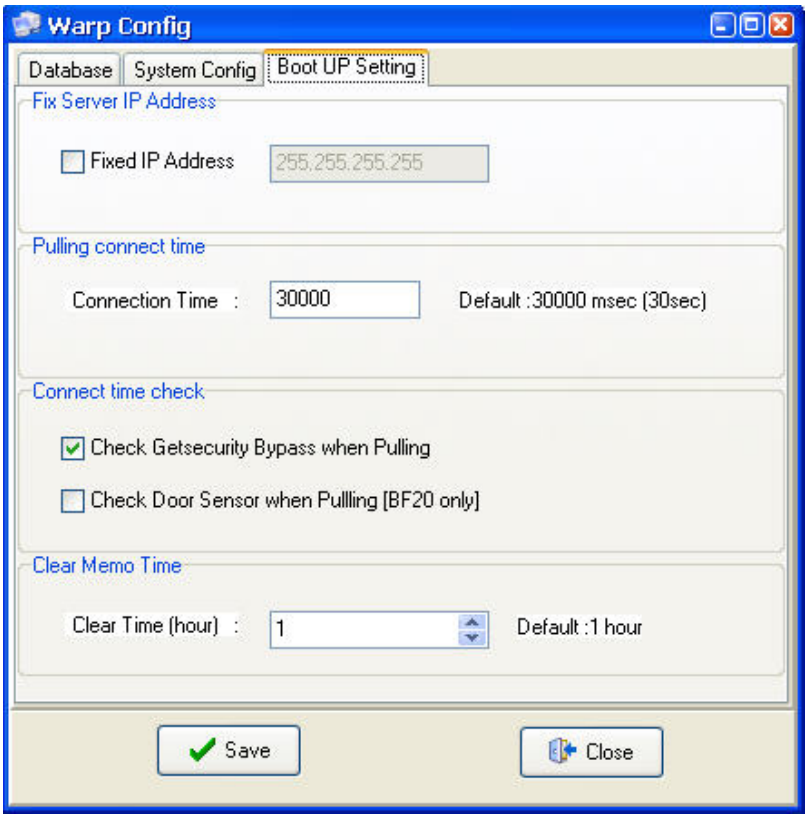
In normal real time mode, WarpServer runs on UDP port 5850, TCP port 5850 to get the real time log transactions from the devices. However WarpServer will also try to use TCP port 2000 to communicate with the device for all other purpose. Thus it will periodically check for TCP port 2000 connection for all device in its Zone. User can define that time from 30 sec to 60 sec. The time should in no way, excess 60sec (60000msec). [Warp Server is using TCP port 2001 for communicate with WarpX_Client or Warp Monitor program etc.] Also for IPsearch, it will require also UDP port 5050.

4.1.2.3. Connection Time Check

At each time WarpServer check it connection via TCP port 2001, use can , optionally , also check for Security by pass or Door sensor status.

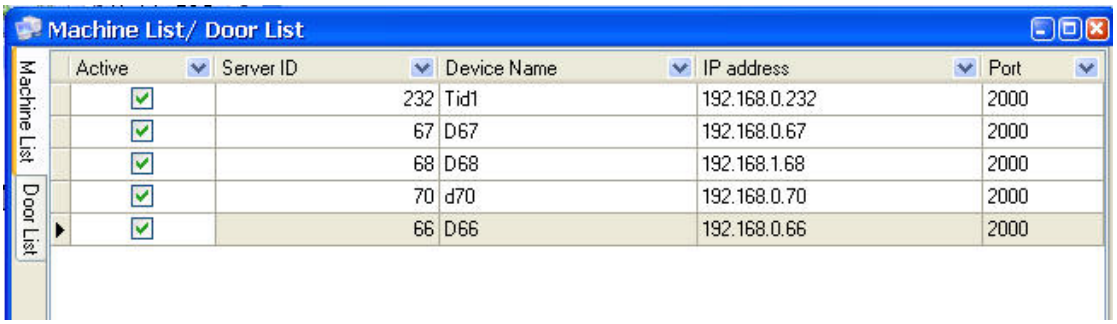
4.1.2.4. Clear Memo Time

Time to clear the memo on the WarpServer.



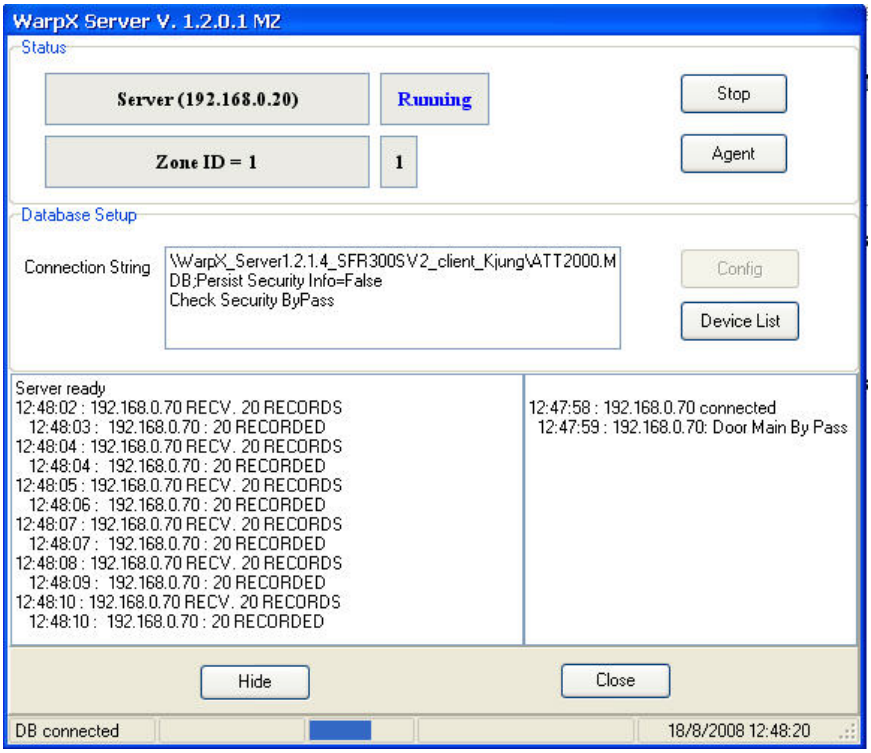
4.2. Device List

Show device list and door list

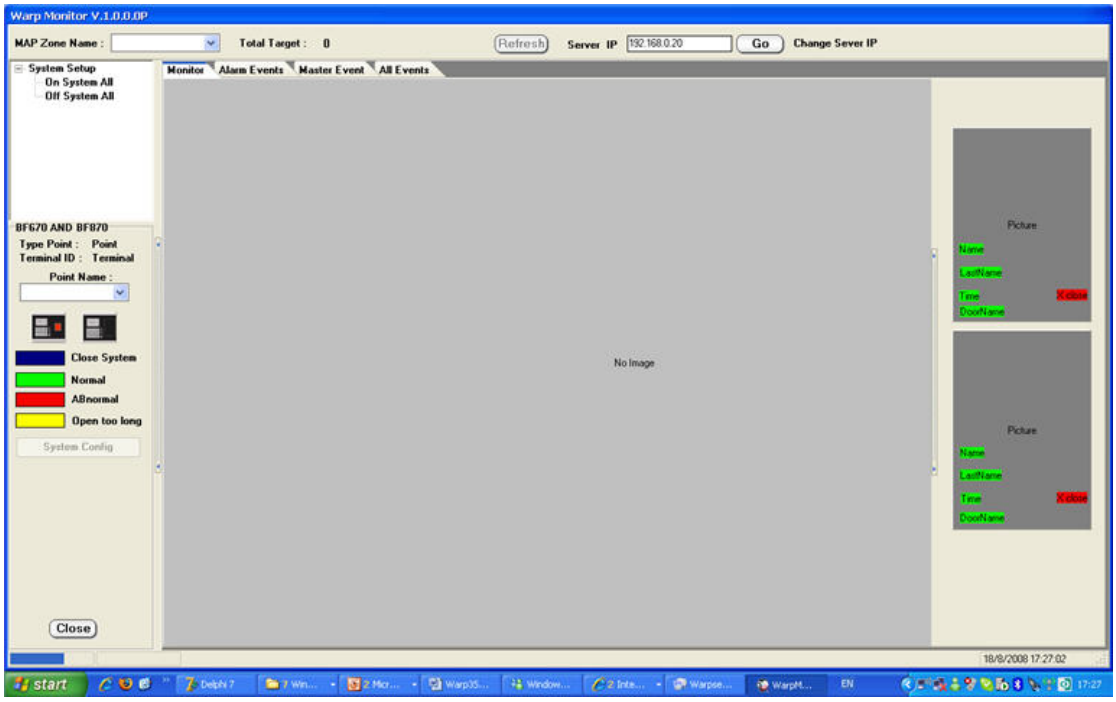


4.3.Start

After start the process, WarpServer will try to connect to all device, and start to pull on the left over transactions. (The transaction that had not been marked as “checked” yet.) However, due to the delay in communication, it might take upto 30 sec (pulling time default) to start the first transaction pulling process.

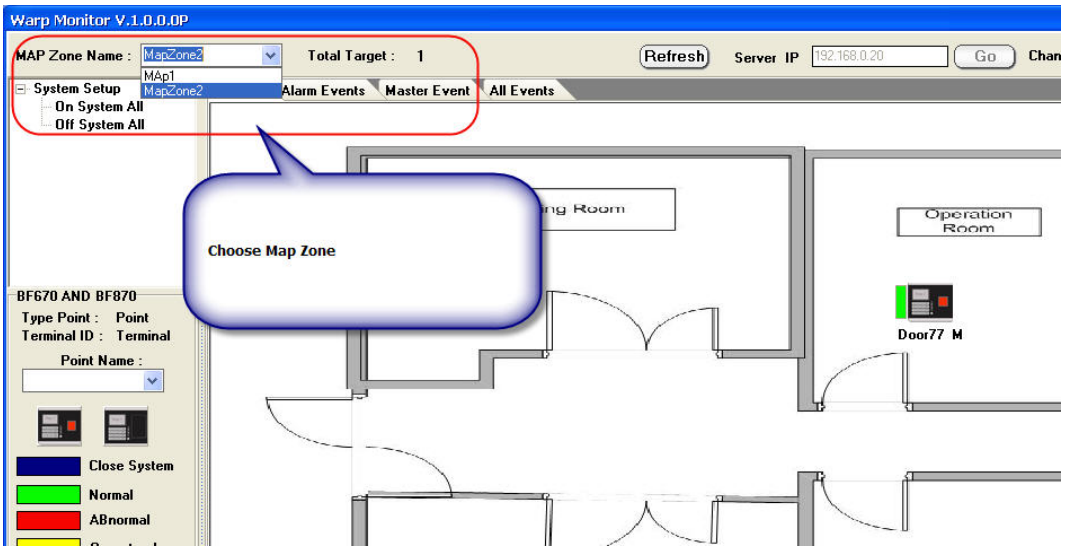


5. Warp Monitor Program

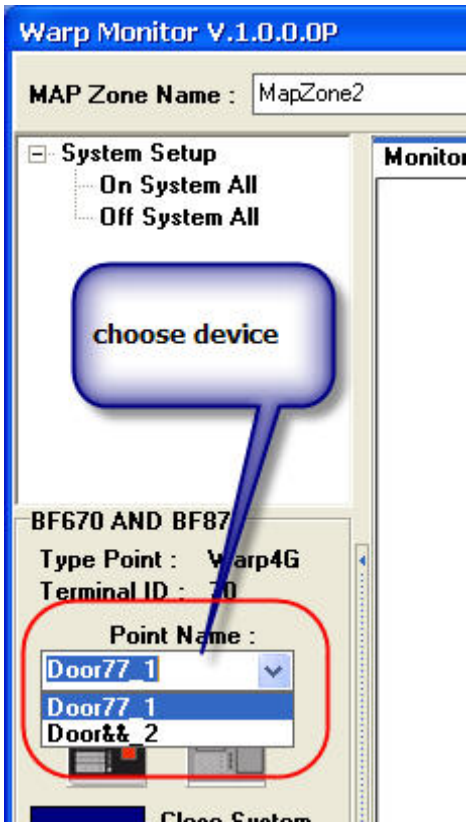


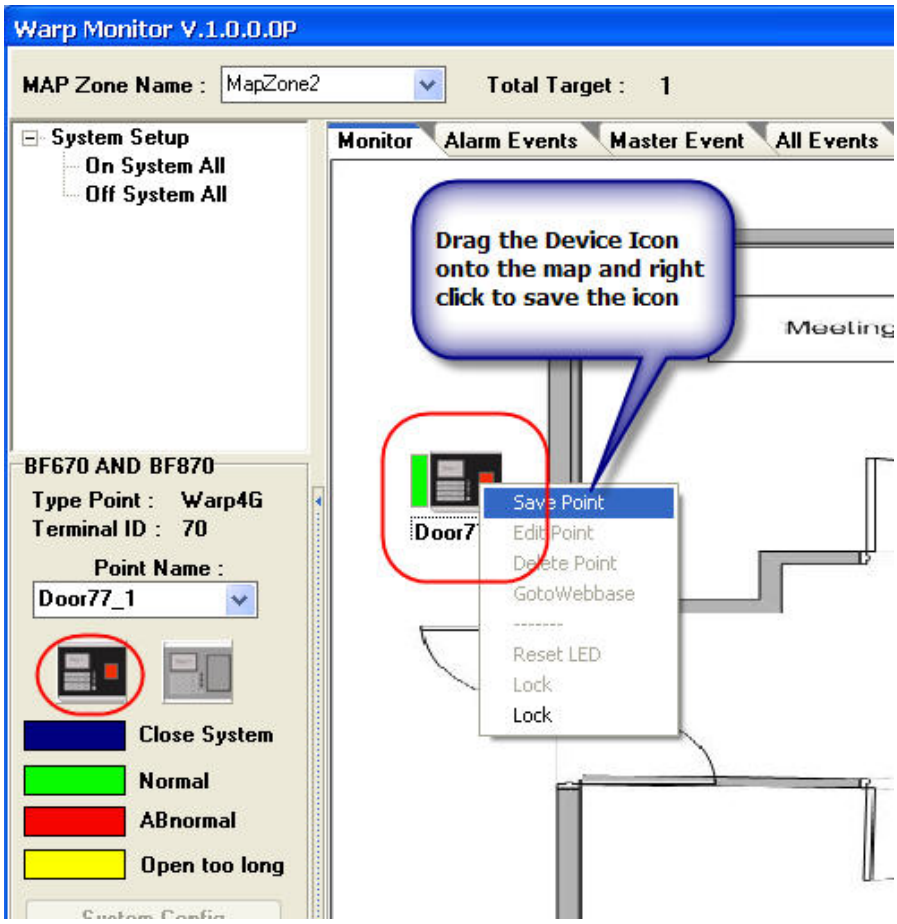
5.1. Start

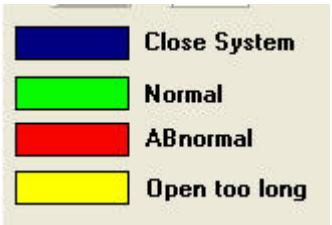
5.2. Choose Map zone



5.3. Place door




Warp Monitor V.1.0.0.0P
MAP Zone Name :
MapZone2
Total Target :
1
System Setup
On System All
Off System All
Monitor
Alarm Events
Master Event
All Events
Drag the Device Icon onto the map and right click to save the icon
Meeting
BF670 AND BF870
Type Point : Warp4G
Terminal ID : 70
Point Name :
Door77_1
Door7
Save Point
Edit Point
Delete Point
GotoWebbase
Reset LED
Lock
Lock
Close System
Normal
ABnormal
Open too long


Close System
Normal
ABnormal
Open too long