FALCO™

FALCO**WEB** — Control Your Access Control from the World Wide Web

Web-Based Application

FalcoWeb
User Manual

http://www.falco-ecom.com/

CONTENT

Introduction

1.1 Preface

Congratulation on your wise decision on purchasing the FALCO WEB card access and monitoring system. The FALCO software is a PC utility tool that provides control over the door controller. The software can be comprehensively program, upload and download to the door controller.

The FALCO software provides easy and user-friendly interface with new icon based toolbar and menu driven selections. It also provides various advanced features such as:

- Four different accesses in controlling, programming and monitoring the system using the FALCO software, which are Enterprise System Admin, System Admin, Operator and Time Attendant. Enterprise System Admin has all the access of creating new remote user including creating other PC operator while the System Admin will only has access to setup and program according to the access level assign by Enterprise System Admin. Operator can only monitor the software. Meanwhile Time Attendant is allowed to make report for time attendance purposes.

- Fully programmable access level for different card user over the entire access control system. Each different card user can have many different combination of access level on each door. There are 72 access levels programmable.

- Power failure may not affect the monitoring system since it has a backup power unit to the door controller. If the computer power is off, the door controller has it own memory to store the transaction. When the power has been restores, the information on each door controller will be poll to the PC and display it to the operator.

- Programming features includes 50 time set setting, 50 time zone setting, and 50 holiday list setting and enable opening of each door directly from the PC.

- Provide variety printout report in hardcopy as well as softcopy. Easy to upload and download in between PC and door controller.

- For LAN (Local Area Network) version it could link up all PC that is communicating with the door controller through a server. The database is installed in the server and any workstation can do local or remote programming.

- Floor plans are available to give a better display to the user.

- Alarm sound on PC during Door Force Alarm, Door Left Open Alarm, Controller Down Alarm and Tamper Alarm. (Available if PC had installed with sound card and speakers)

- Two card readers can be connected to the controller as entry and exit reader. Both readers can be a normal proximity reader, card and fingerprint reader, mifare card reader, card and pin reader or HID reader. It supports all major reader technologies, which has weigand 26-bit output.

In the development of FALCO Enterprise, extra effort were put in to ensure that FALCO would be easy and user-friendly but yet powerful enough to provide you with the top level of security and monitoring system you wanted. We thank you for your support and we are confident that the FALCO card access and monitoring system will serve you well and became a valuable asset to you.

Chapter 1   Getting Started

After the installation has been complete, by default the software program should be located at C:\Inetpub\wwwroot\FALCO WEB\ and you could start running the software at the **Start** button then **Programs** and then **FALCO WEB**. Left click on the FALCO WEB on this folder and the program will start loading. If you had customized your file folder please refer back to your installed directories and program folder respectively.

1.1 Login

After the program had been loaded, it will prompt you to insert a user name and a password every time you wish to login to the software. This is for securities purposes by preventing unauthorized personnel to enter the system. For the first time, the default **Login ID** is FALCO and the **password** is FALCO. You should change the password after you had just entered the software. This is for securities purposes. To change the password, go to the setup menu and click on change password (**Setup/Change Password**). Enter your current password and click OK. Then enter your new password and click OK. Now, after reconfirm your password your password has been change. Please remember this password, as you will require it every time to login to the software.

1.2 Add New Application User

To add Application user, go to menu **Setup/Application User / Manage User**. Now click Add and the screen as shown above prompt. You can add software user if you were log in as **Enterprise System Admin**. By default FALCO is an Enterprise System Admin. Enterprise System Admin is a software user who can add, edit or delete other software user from the database. User can also apply access to which workstation that is allowed for each software user, which is the access no.

System admin is a software user who has access to program the entire software programming and database. This include add, edit or delete time set, time zone and card user from the database. Besides that, it can also monitor all the doors that had been installed and do all the tasks that an operator and time attendant can do.
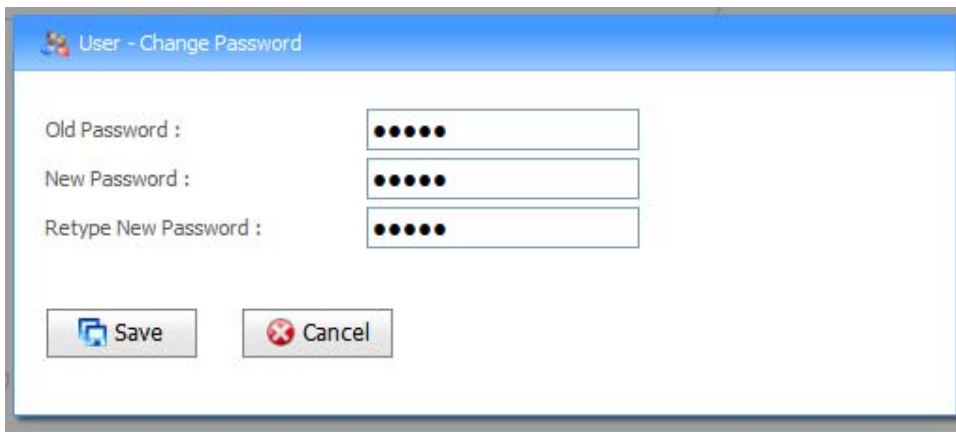
Meanwhile an operator is a software user who cans only monitor, opening doors, and uploading data from controller and does some simple reports. He can monitor for alarm status and acknowledge the alarm on the floor plan and take appropriate action.

While time attendant is software user that can launch another program that is called FALCO-Time. FALCO-Time is software that is created to do monthly reports and help user to trace employees who are late, early out and overtime. But both operator and time attendant are not allowed to program, edit or delete any setting that is set by the Enterprise System Admin

- User ID is your username and password that you want to add. Let say I use ADMIN as my user ID. Which means when I want to log in for the first time after I had added this record, the username and password that entered would be ADMIN.
- Name is the software user's actual name.
- Role is either Enterprise System Admin or System Admin or Operator or Time Attendance.
  - ⇨ To add system administration user use role as **System Admin**.
  - ⇨ To add operator user use role as **Operator**.
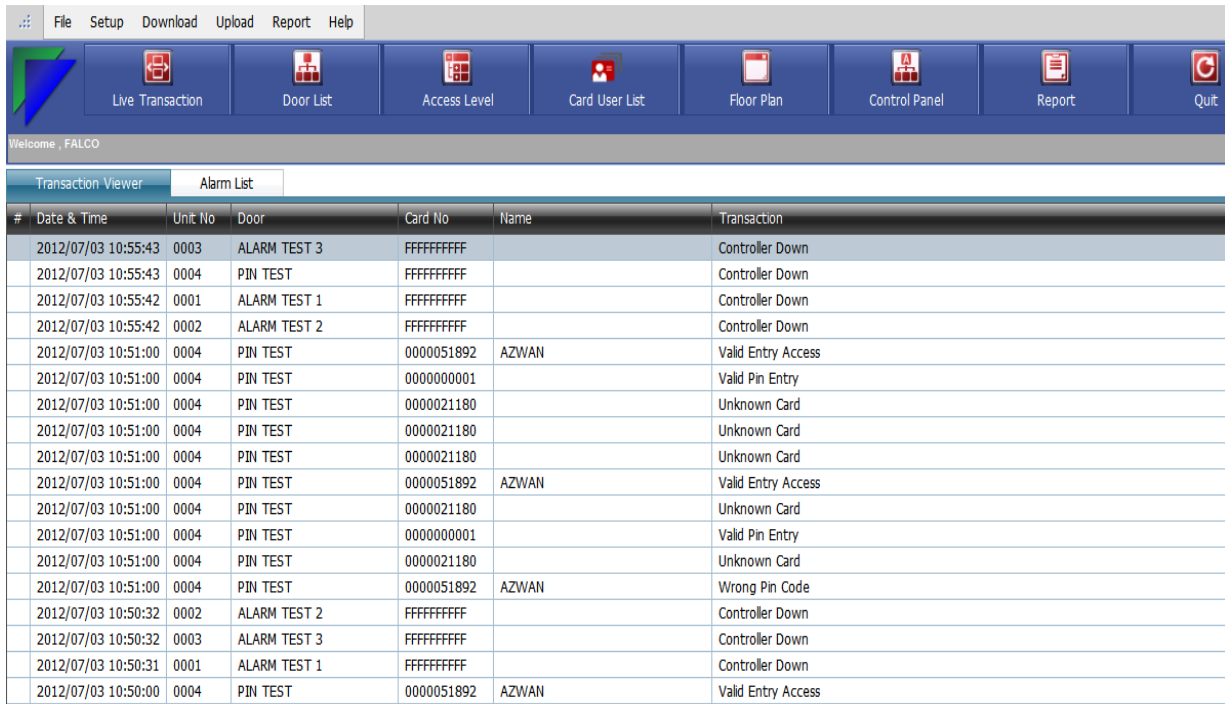 - ⇨ To add time attendance personnel use role as **Time Attendant**.

1.3 Change Password

To change password user, go to menu **File/Change password /**. The screen as shown below appear.

Default password for the FALCOWEB software is "FALCO" . Type default password at "Old Password" and continue typing your new WEB password at "NEW PASSWOR

1.4 Viewing Online Transaction

The column Date and Time represents the date and time of a particular transaction that occurred respectively. The column Site Controller represents which site controller the door controller is connected to. The column Unit No and column Door represent the door controller address setting and the door tag name which is set in the setup / door controller setting respectively. Column Card No represents user card numbers who make the transaction and Name represent user names that is set. Column transaction shows the transaction that been make. To view the online transaction, please click on LIVE TRANSACTION tab.

There are two online screens that you can observe. One is the transaction online screen that is as shown above. Another is the floor plan online screen as shown below. Floor plan would be auto pop up when there it detects red sign alarm transaction.
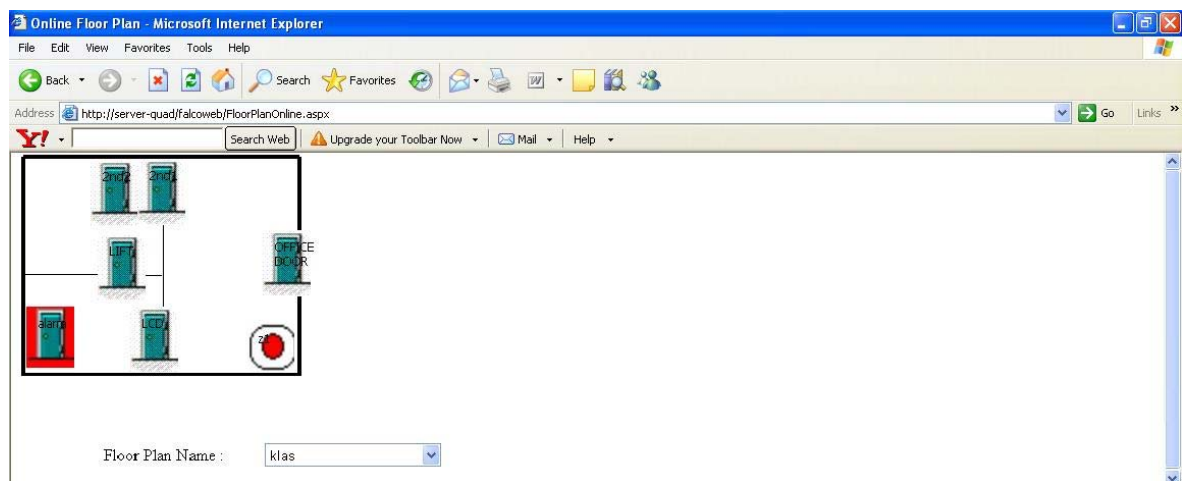
The transaction that are available online and their respective meaning are as shown below:

Black Sign Transaction:

Transaction	code	meaning
Valid Entry Access	C0	Cardholder successfully enter the door
Valid Exit Access	Ci	Cardholder successfully exit the door
Valid Pin Access	Cn	Correct pin number had been entered (go in)
Valid Pin Exit	Cx	Correct pin number had been entered (go out)
Card Locked Out	CH	The particular card had been lockout
Pulse Door Open	Cd	Open the door either by PC or push button
Controller Reset	C7	The door controller had been reset (J4)
Controller Up	CU	Controller in normal operation
Door Open	C4	Sensor detects the door had been open
Door Closed	CF	Sensor detects the door had been closed
Main Normal	Ct	Main power back on
Door Security On	Ck	Door security system been turn on
Door Security Off	Cl	Door security system been turn off
Clear Memory	CA	Clear the entire door controller memory

Red Sign Transaction:

Main Fail	Cs	Main power failed
AntiPB Violation	C1	Violation of antipassback
Unknown Card	C2	Unrecognized card within the controller memory
Wrong Facility Code	C3	
Wrong Time Zone	CJ	Cardholder come at a wrong access time specified by the time zone
AutoPin Disabled	Cy	Disable the pin only mode
Invalid Pin Access	Cz	An invalid or incorrect pin had been entered
Door Left Open	CE	The door been left opened

Red Sign Alarm Transaction:

Tamper Alarm	Cr	The controller had been tamper with
Door Forced Open	CG	The door had been forced opened
Controller Down	CW	No communication between PC and controller

Login > To Login to the software in order to program or view certain data.

Logout > Logs the user out and prevents other to access the software when the user is not around.

Launch Application > open FALCO time management software, to lunch the time attendance software

(optional)

Floor Plan or Live Transaction > switches between two panes. One is Floor Plan Pane and another is the

Online Transaction pane.

Acknowledge Alarm > same as Alarm/Acknowledge used to acknowledge the alarm generated.

Card Database > same as Setup/Card Database

Time Set > same as Setup/Time Set

Time Zone > same as Setup/Time Zone

Download All > same as Download/Download All

Camera Setting> this allow user to show the live view in one or multi windows. And also allow the user to

display selected camera.

Copyright 2012@   5

Chapter Setup Menu

Reader Bit Configuration is a setting to change the Reader Bit to operate the reader. It very user friendly. Reader mode is already set and the mode available from mode 1-5.

2.1 Door Controller

Name	Description
New Controller	To add a new controller
Add Ext	Only for Add the Double Door Controller
Manual	Manually to key in a controller IP without auto detect Function
Pointer	Roll back the previous transaction .
Edit	For Edit the Door Controller Setting
Delete	Delete a Door
Back	Close the Controller List
Tag Name	Filter Searching controller name
Unit No	Filter Searching controller unit no.

Controller IP address

One controller just got one IP address, IP address adhibit on the controller. The last three numbers is the IP address. This controller full IP address is 192.168.0.30
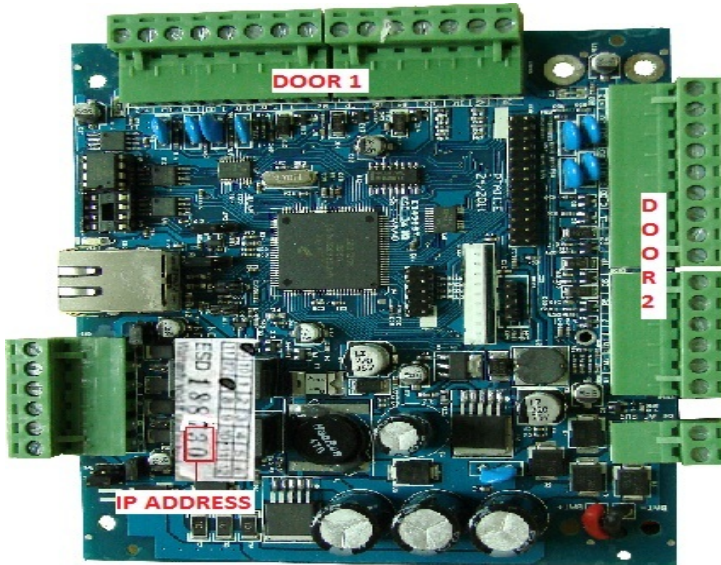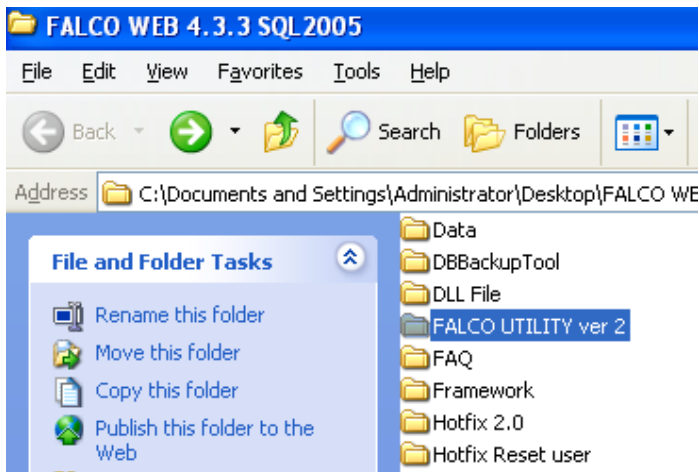

Controller

7 controller detected.

Controller IP Address	Mac Address	Device Name	Type	Assigned	Status
192.168.0.85	0.0.21.13.173.85	T2.55.621SPFI	D	0	■
192.168.0.111	0.135.21.19.80.111	T2.55.623SAEI	S	0	■
192.168.0.88	0.135.21.19.80.88	T2.55.625SLEI	D	0	■
192.168.0.118	0.135.21.88.170.118	L2.59.321SAEI	S	0	■
192.168.0.115	0.235.21.98.171.111	T2.55.621DAEI	D	0	■
192.168.0.114	0.52.16.104.80.120	T2.55.623SAEI	S	0	■
192.168.0.220	0.52.16.104.80.129	R2.56.629DAEI	D	0	■

↻ Refresh   **✚ Add**   **⊙ Back**

When Click the "Add" Button, the system will auto detect the Controller IP with has been join into a network (LAN), Double click controller IP and key in the Tag Name, and do some setting, the add door setup is finish.

Click "Add Ext" to add the second door of a 2 door controller panel with a extended board. Please consult your installer either it is a single door controller or double door controller.

You can also know from the type shows on screen.
S=Single Door
D=Double Door

You can use Falco Utility tools to changed the Controller IP . Please Find "Falco Utility" on Falcoweb installation CD

Remark = Please make sure your pc ip is same range with default controller ip when u want to changed the ip using falcoutility
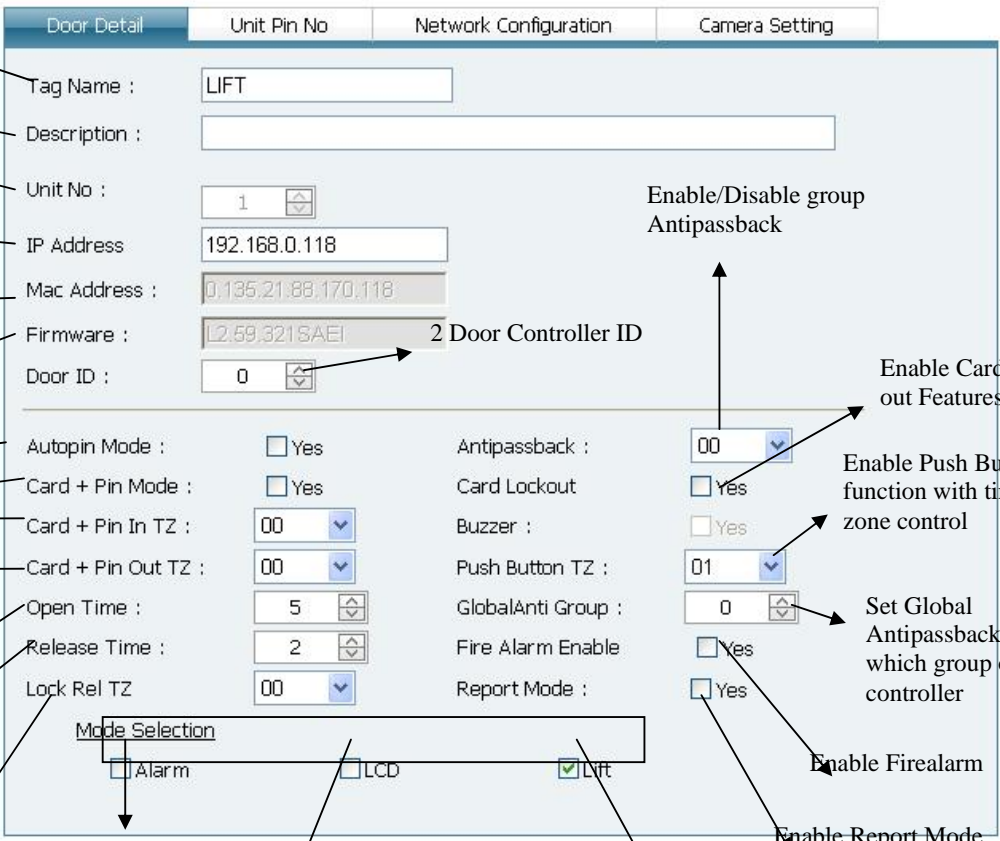
Default ip range is 192.168.0.??
Gateway = 192.168.0.1

Contains Network configuration
between pc and controller

Door Detail

192.168.0.118 :

Door Detail	Unit Pin No	Network Configuration	Camera Setting

Name of the door

Tag Name : LIFT

Brief Description
of the door

Description :

The Unit no of the
door

Unit No : 1

IP Address of the
Controller

IP Address 192.168.0.118

Mac Address of the
Controller

Mac Address : 0.135.21.88.170.118

Controller Firmware

Firmware : L2.59.321SAEl   2 Door Controller ID

Door ID : 0

Enable/Disable group
Antipassback

Enable Card Lock
out Features

Enable Pin Mode

Autopin Mode : ☐ Yes

Antipassback : 00

Enable Card + Pin mode

Card + Pin Mode : ☐ Yes

Card Lockout ☐ Yes

Enable Push Button
function with time
zone control

Select a time zone to
activate Card + Pin
mode for entry and
exit reader

Card + Pin In TZ : 00

Buzzer : ☐ Yes

Card + Pin Out TZ : 00

Push Button TZ : 01

Open Time : 5

GlobalAnti Group : 0

Set the Open time of
door before buzzer sound

Release Time : 2

Fire Alarm Enable ☐ Yes

Set Global
Antipassback in
which group of
controller

Set the EM-LOCK
release time

Lock Rel TZ 00

Report Mode : ☐ Yes

Mode Selection

☐ Alarm   ☐ LCD   ☑ Lift

Enable Firealarm

Enable Lock
release time zone

Enable Alarm mode

Enable Report Mode

Enable LCD mode   [Save]   [Cancel]   Enable Lift mode

Name	Description
Tag Name	Enter a tag name for the particular door. This will be display on the online display screen.
Description	Enter a brief description about the particular door. This will not be display on screen.
*Unit No	The Unit Number of the Door Controller, the Number must be unique
*IP Address	This is the controller IP address, user can click it and edit the controller IP and destination IP.
*Select IP	For change door controller just only click and select other controller IP address
*Door ID	When 2 door controller the ID will show 1, if not will show 2.
Autopin Mode	Set to **Yes** to enable pin only mode or else set **No.** → **Unit Pin No** > set the pin number for the pin only mode. There is 10 combination of pin number you can set. This pin number is activated by time zone.
Card+Pin Mode	Set to **Yes** to enable the Card and Pin mode or else set to **No**. → **Card + Pin In TZ** > set the time to enable card and pin mode by time zone for the entry reader. → **Card + Pin Out TZ** > set the time to enable card and pin mode by time zone for the Exit reader.
Report Mode	Enable the activity report function, so that if the card user is set to have a report for accessed, then if he/she didn't make a report. He/she will not be allowed to go out from the door.
Open Time	This determines how long the door can be open before the buzzer sound. If set to 5, this means if the door is opened more than 5 seconds and did not closed than the buzzer will sound. This is applicable if there is door sensors attach and connected to the door controller.
Release Time	This determines how long the electromagnetic lock is free before it is lock back.
Lock Rel TZ	This is called lock release time zone, which set the door to be opened within the time zone specified. If at the particular time is not within the time zone, then the door will be closed.
Antipassback	This can be set to active during the time zone. Antipassback violation occurs when a card user had swept his/her card more than once at the same reader continuously. This means card user must swept in once at the in reader and swept out once at the out reader.
Card Lockout	This can be set either Yes or No. If you select Yes, then the card would be lockout under 3 conditions (3 times incorrect pin entered, 3 times wrong time zone transaction received and 3 times antipassback violation transaction received).
Buzzer	Enables or disables buzzer sound during Lock Release.
Push Button TZ	Enable the push button function of your door controller according to the time zone you have set.
*Global Antipassback	Enable or Disable Global Antipassback. This function same with the antipassback, but it link/connect with other door controller
*Global AntiGroup	Set the door controller antipassback with other controller

Note:
   Make sure that the door controller is install properly and functioning before downloading.
   * New Features for the Falco IP Application

2.2 Holiday List

Holiday List

Holiday No	Day	Month	Time Set	Description
1	1	1	00	

➕ Add   🗌 Edit   ❌ Delete

Holiday Detail

Holiday No :	2 ⏶⏷	→ There are over 50 holiday number that you can set
Description :		→ Describe the Holiday you are having
Month :	1 ⏶⏷	→ Set the Date of your Holiday
Day :	1 ⏶⏷	
Time Set :	00 ⏷	→ Allow access or not during Holiday

🖫 Save   ⊗ Cancel

You can add, edit or delete any holiday list at **Setup/Holiday List**. The screen above will appear when you click Add or Edit to edit any holiday list that had been created. Click delete to delete the record. Click Close to cancel the Holiday Table window. Holiday list will list all the date of rest day, which means the whole day the door will be close and no one is allowed to enter the door during holiday or allowed to enter within a specified time set. There are 50-holiday dates that you can set. To add a holiday list, just click Add and enter the appropriate date and a brief description on the holiday and click OK. Holiday No is only the number uniquely set for each holiday. If you want to grant access during holiday for half day, then you can set a time set from 08:00 to 14:00 as time set 02 and applied to it

2.3 Time Set

#	Start 01	End 01	Start 02	End 02	Start 03	End 03	Description
00	00:00	00:00	00:00	00:00	00:00	00:00	No Access Time Set
01	00:00	23:59	00:00	00:00	00:00	00:00	Free Access Time Set
02	08:00	13:00	14:00	18:00	00:00	00:00	Normal Working Time Set

➕ Add   🗌 Edit   ❌ Delete

Go to setup menu and click on time set (**Setup/Time Set**), the screen above should appear. This is the same as adding holiday list. Click on Add or Edit the screen below will appear and you can set the time for the whole day in three intervals. Each Time Set No. shall not be the same. There can have 50 time set and only 48 are user define. Below is an example of an operator working hour set in time set for a day. Time Set also can be use to be associate with Holiday List or Time Zone for it purpose.

Time set is set as part of the time zone where one time zone can be combining two or more time set. The time that is set is in 24 hour. Time set enables you to define the period to activate or deactivate some operation or event. There are two default value sets, which is time set 00 and time set 01. Time set 00 is no access time set and time set 01 is free access time set. The above time set interval implies that:

	From	To	Reason	Card Access enable
Interval 1	08:00	13:00	Working Hour	Yes
	13:00	14:00	Lunch Hour	No
Interval 2	14:00	18:00	Working Hour	Yes

Note: you must create time set accordingly first before you can proceed to create time zone.

2.4Time Zone

Go to setup menu and click time zone (**Setup/Time Zone**), the above screen will appear. Time zone enables you to control the access of cardholders each day of the weeks in your unique pattern. There can be 50-time zone where 2 are for default time zone and 48 for user define time zone. Time zone 00 is set as no access time zone and time zone 01 is set as free access time zone. You can add, edit or delete the user define Time Zone but not the default. Click Add and the below menu window will appear. Enter the appropriate value that you want using the time set that you had already add for each day of the week. Below is an example of operator working hour for the whole weeks. This means that from Monday to Friday will follows time set no. 03 (08:00-13:00 and 14:00 to 18:00) and for Saturday and Sunday is no access.

On the screen above, it shows that from Monday to Friday (time set 02) the active time is from 8:00 to 13:00 and 14:00 to 18:00. Saturday, Sunday and Holiday (time set 00) has no active time. If this applied to a card, the card will gain access at the active time only and can not access at other time. If this was applied to a door controller - door release time zone (**Lock Rel TZ**), the door will release during active time. If this time zone were applied to the card and pin reader (**Card + Pin In TZ** or **Card + Pin Out TZ**), the card and pin mode will be activated during the active time and at other time it will be card only mode.

Note : You must create your time zone accordingly before you can proceed to create card database.

2.5 LCD Message

This LCD message is only available if you have installed your reader with a Liquid Crystal Display (LCD) unit. Just type the words you wish to display as a welcome message for the user.

2.6 Card Database

Go to setup menu and click card database (**Setup/Card Database**), the above menu will appear. This menu allows you to add, edit or delete a cardholder. Batch Add will add a range of cards registered under one name. There can be 100 or more cards under one batch. This is for programming simplicity where all employees are under one manager. There are also an option call batch delete to delete a batch of cards that may be added wrongly using batch add. From the screen above you can see that there is different access level that is applied to a card user. To do sorting by card no or Name or by access level, you can click on the header of each column to sort by ascending or descending way.

Card User Detail

Card Detail

Specified Card No

Card No : 0000000000

Specified Access Level for user

Name : Card User Name   Access Level : 01

Specified the Card User Name

Card Pin No : 0000   Lift Access : 00

Specified Lift Access Level for user

Specified Card Pin No if Using Card + Pin No.

Alarm Card : ☐ Yes

Specified the card can do arming or not

Vehicle No : AAA0000   Status : A

Unit No : A-00-00   Parking : A000

Specified Vehicle Information

Company Name : Company

IC \ Passport No :

Department :

Tel :

Hp No :

Email :

Address :

Remark :

--Specified Company Name
--Specified IC\Passport
--Specified Company Department
--Specified Tel and H/P no
--Specified the Email &Address
-- Specified add-on remark for user

Now click **Add** and the above menu will appear. Just add in the card number, the cardholder's name and select the appropriate **Access Level** for him/her. If you are using a card and pin reader, then you will require entering a 4-digit pin code that is applied to that particular card. To add a frame of picture with the particular cardholders, we can click the upload button and browse for the picture file that is already scanned and save in your computer. The card number can be obtained by swapping the card at the proximity reader and been polls to your FALCO software where it will display an unknown card with its card number as well. Normally there should be 5 digit numbers on the card starting from the right –hand side (Last 5- digit number).

After you have set all the access level of every card; now, you need to download and install the card to the door controller. Before you download make sure that the door controller memory is empty. To empty the controller memory use **Download/Clear Command/Clear CardDB** option (refer to chapter 4 for more information).

- To installs the card according to access level specified and grouped in group-01; go to **Download/Card Database/Install Card** and the screen shows below prompt.

Please Tick this Box to enable installing card filtering by access level.

2.7 Access Level

To apply different access level for different group of staff, you will need a proper filling or documentation in order to have a smooth programming method. First you need to list down all yours staff name and then group them into certain categories or department. After that you need to list down what is the access level of each department for each door controller with time zone that they can have. For example, admin department can have full access to all the doors and operator only have access to main entrance with operator time zone.

To define a new access level just click on the pull down Group No. and select the access level number you want. Check those check boxes for the doors that this access level can access to. Than apply a time zone for the door that can be access by what time. If you wanted to change the time zone of the door, click **Time Zone** when the door is selected and the screen below appear.

Go to **Setup/Group Access/Group Card Access** and the screen shows beside will came out. By default the screen should be blank. From the screen shown, Access Level 01 can have full access to all the doors with time zone 01. So you can apply access level 01 to your admin staff and 02 to operator.

From here you can know the access number and the door controller that you are about to change. Select time zone as required. Remember to click **Save** to save the changes that you made. If you click Close it will close without saving and you will be required to do again.

By defining the access level in this manner is more convenient because each card user may have different unique access level according to their importance in the company. Combination of access level and time zone will give you the advantage of limiting your staff to a group of doors at a preset time of the day.

2.8 Transaction Event

To view any transaction event : go to **Setup/Group Access/ Transaction Event List/ Group Transaction Event** Transaction event menu will provide you with the information on each transaction that is been poll and store automatically into PC. Using this will retrieve this information to be display to the user. The database use in FALCOWEB is SQL EXPRESS 2005.

Transaction Event List

Controller	Event List			
☑ CASHIER	☐ Acknowledge alarm	☐ Controller Up	☐ In Reader Problem	☐ Reset Card Locked Out
☑ HR DEPARTMENT	☐ Alarm Activated	☐ Cool Start	☐ Interlocking	☐ Start Antitailgating
	☐ Alarm Disable	☐ DestIP Change	☐ Invaild Exit Report	☐ System Armed
	☐ Alarm Enable	☐ Door Closed	☐ Invalid Dual Card Entry	☐ System Disarmed
	☐ Alarm Normal	☐ Door Forced Open	☐ Invalid Dual Card Exit	☐ Tamper Alarm
	☐ Alarm Zone Activated	☐ Door Left Open	☐ Invalid Pin Entry	☐ Unknown Card
	☐ Alarm Zone Deactivated	☐ Door Open	☐ Invalid Pin Exit	☐ V8656 Card Balance OK
	☐ AntiPassback Entry	☐ Door Security Off	☐ LogIn	☐ V8656 Card Balance Problem
	☐ Antipassback Exit	☐ Door Security On	☐ LogOut	☐ V8656 Comm Error
	☐ Antitailgating Alarm	☐ Dual Card Timeout	☐ Main Fail	☐ V8656 Max Card Alarm
	☐ Antitailgating Time Out	☐ Dual Card Timeout Normal	☐ Main Normal	☐ V8656 Min Card Alarm
	☐ AutoPin Disabled	☐ Dual Card Timeout Pin	☐ Motion Alarm	☐ V8656 Min Card OK
	☐ Batery Cut Off Mode Disable	☐ End Antitailgating	☐ Motion Alarm Deactive	☐ V8656 No Ready
	☐ Batery Cut Off Mode Enable	☐ Entry Barrier Open	☐ No Report Entry	☐ V8656 Ready
	☐ Battery Cut Off	☐ Entry Duress Alarm	☐ No Report Exit	☐ Valid Dual Card Entry
	☐ Battery Low	☐ Exit Barrier Open	☐ Output Off	☐ Valid Dual Card Exit
	☐ Battery Normal	☐ Exit Duress Alarm	☐ Output On	☑ Valid Entry Access
	☐ Battery OK	☐ Fire Alarm Activate	☐ Output Port Activate/On	☑ Valid Exit Access
	☐ BTL Cut Off Disable	☐ Fire Alarm Disactive	☐ Output Port Disactivate/Off	☐ Valid Pin Entry
	☐ BTL Cut Off Enable	☐ Fire Alarm Input Activate	☐ Valid Pin Exit	
	☐ Card Locked Out	☐ Fire Alarm Input Disactivate	☐ PIR Alarm	☐ VCI685 Comm Error

[⊕ View]   [⧉ Save]   [⊗ Cancel]

Now Choose the Transaction Event and Tick at the small box beside event menu. From the screen above you can see that there is **Valid Entry Access** and **Valid Exit Access** is already selected. Then you will see only the **Valid Entry Access** and **Valid Exit Access** event appear at your screen like below.

Transaction Live - Windows Internet Explorer

#	Date & Time	Unit No	Door	Card No	Name	Transaction
	2009/01/02 23:35:40	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Entry Access
	2009/01/02 23:35:38	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
	2009/01/02 23:35:29	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
	2009/01/02 23:35:23	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Exit Access
	2009/01/02 23:35:06	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
	2009/01/02 23:35:01	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Exit Access
	2009/01/02 23:34:55	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
	2009/01/02 23:34:43	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access

2.9 Card Tracking

To Start using Card Tracking : go to **Setup/Group Access/ Transaction Event List/ Group Card Tracking.** Card Tracking give you the information on each location that user login at every door .

- Before running card tracking, Make sure your IP camera already add at every door that available for card tracking.
- You may select the Entry and Exit camera setup at **"SETUP / DOOR / DOOR CONTROLLER / "**controller name" **/ EDIT / CAMERA CONFIGURATION.**

Card Tracker List Selection

Card List

System User: FALCO

#	Card No	Card User Name
☑	0000040050	KHAIRUL AZWARI
☑	0000046778	MANIAM DRIVER

- Select Card to view in Card Tracking list then click "**SAVE"**
- Click "**VIEW"** view card tracker.

🌐 View   📋 Save   ❌ Cancel

	No	Name	Transaction
	040050	KHAIRUL AZWARI	Valid Exit Access
2009/01/02 23:48:06 0001 CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
2009/01/02 23:47:59 0001 CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
200	0000046778	MANIAM DRIVER	Valid Entry Access
200	0000040050	KHAIRUL AZWARI	Valid Entry Access
200	0000046778	MANIAM DRIVER	Valid Exit Access
200	0000040050	KHAIRUL AZWARI	Valid Exit Access
200	0000046778	MANIAM DRIVER	Valid Exit Access
200	0000040050	KHAIRUL AZWARI	Valid Exit Access
200	0000040050	KHAIRUL AZWARI	Valid Entry Access
200	0000040050	KHAIRUL AZWARI	Valid Entry Access
200	0000046778		Unknown Card
200	0000040050		Unknown Card

Card User - Wi...

Card User

Card No : 0000040050
Name : KHAIRUL AZWARI

2.10 Video Card Tracking

Video Card Tracking is a function that helps security personnel to keep track on a card user / visitor. The card user's stored photo will be shown on the screen for comparison of the life video cameras. This function helps to reconfirm that the user using the card is the same user as the owner.

- Right Click at Transaction Area and choose " Video Card Tracking".

Card detail

NAME	DESCRIPTION
LIVE CAM	DISPLAY LIVE EVENT
PLAYBACK	REVIEW LAST PERSON CAPTURED
WATCH WINDOWS	DISPLAY ALL LIVE EVENT FROM ALL IP CAMERA INSTALLED
VIDEO CARD TRACKING	DISPLAY CARD TRACKER WITH VIDEO INTEGRATED
CARD DETAIL	SHOW CARD USER ID AND PICTURE

FALCO WEB

Download and Upload Menu

Download and upload menu is located on the main menu screen. Download means sending data to the door controller and upload means getting data from the door controller. Downloading is done to ensure that each controller will function according to what that had been program. Uploading is usually done to check the programming of a particular controller.

3.1 Download Menu

Download menus enable you to download selectable data to be downloading to the controller. This menu is only accessible by system admin user and not operator.

➢ **Download All** will download all the programming and setting to all active controller. Using this option is slow if there is too many controller and data to be sent. Choose either Download All in Free Access / Access level or Download parameter.

➢ **Door Parameter** will download all the data you had set in the Setup/ Door Controller which is tag name, description, unit number, open time, release time, lock release time zone, antipassback and card lockout settings to the controller's memories.

➢ **Clear Command** usually used to delete data from the door controller.
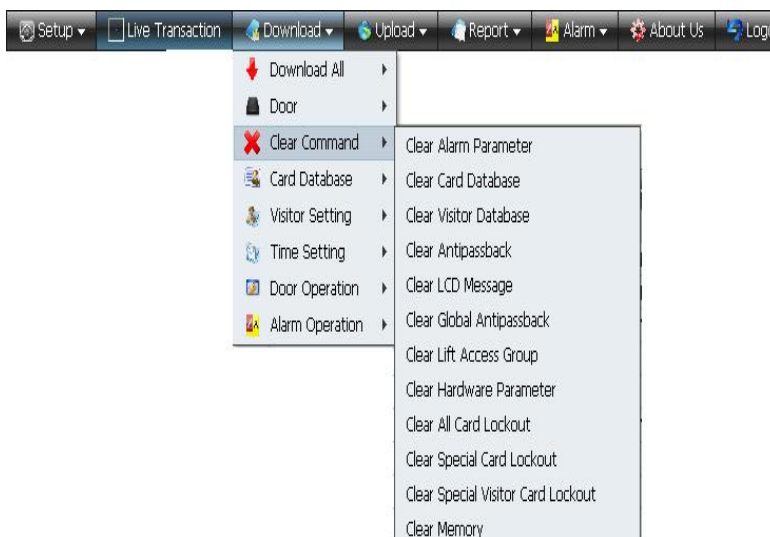
- **Clear Alarm Parameters** will delete all the alarm settings from the controller.
- **Clear Card DB** will delete all cards that had been install or downloaded to the controller.
- **Clear Visitor DB** will delete all visitor cards that had been install or downloaded to the controller.
- **Clear Antipassback** will clear all antipassback violation that occurs at a specific controller.
- **Clear All Card Lockout** will clear all the card that had been lockout at specific controller.
- **Clear Specific Card Lockout** will clear a specified card that had been lockout.
- **Clear Memory** will clear all data from a specified controller except for date and time.
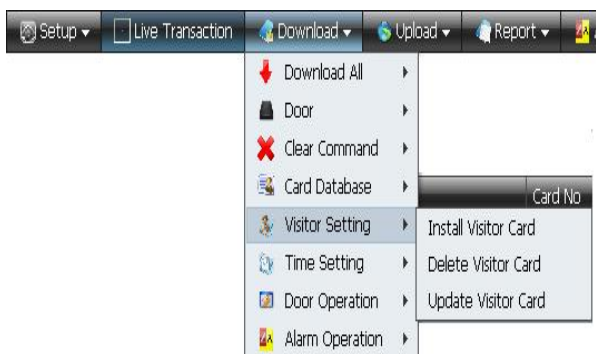
➢ **Card Database** is used to install, delete or update card database inside the controller memory.
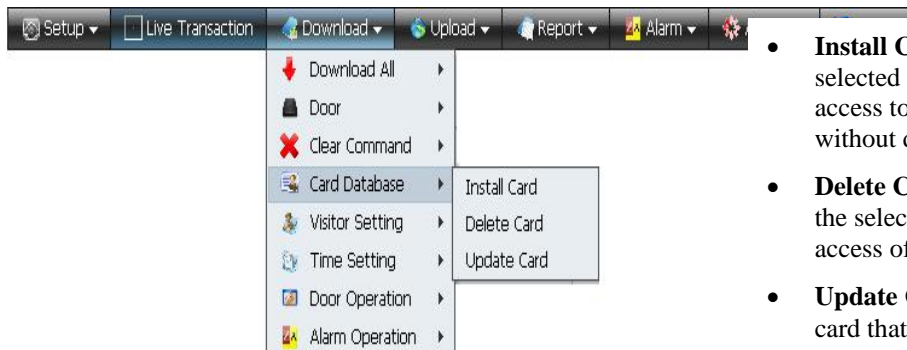
- **Install Card** to download selected card to selected door controller. This is use to grant access to the card user. It installs directly without deleting.

- **Delete Card** is to delete the selected card from the selected controller. This is used to limit the access of the card user.

- **Update Card** is to delete before updating the card that had been install inside the controller.

Note: Install Card will not delete before installing. Therefore, make sure there is no record inside the controller before using this option. You can use the Update Card if you are not sure.

➢ **Visitor Setting** is used to install, delete or update card database inside the controller memory. This is optional feature for Visitor System

- **Install Visitor Card** to download selected card to selected door controller. This is use to grant access to the card user. It installs directly without deleting.

- **Delete Visitor Card** is to delete the selected card from the selected controller. This is used to limit the access of the card user.

- **Update Visitor Card** is to delete before updating the card that had been install inside the controller.

Note: Install Card will not delete before installing. Therefore, make sure there is no record inside the controller before using this option. You can use the Update Card if you are not sure.

➢ **Time Setting** is used to download programmed data to the controller. This option is used to download the current date and time from your Pc to door controller. Holiday list, time set and time zone that you had program can also be set into the door controller using this option. You need to download all this data to the controller so that it can recognize what time set and time zone that you are using or else the controller will not run as what you expected.
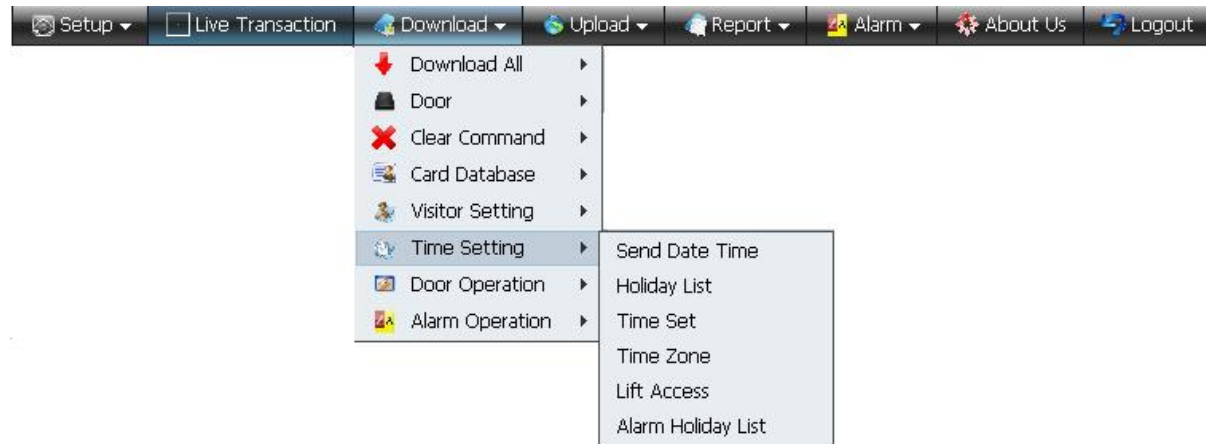
➢ **Door Operation** enables you to open the door directly from your PC and also turning on and off the securities of a particular door. You can turn off the security of a door for renovation purposes using this option. Remember to turn on the security after you had turned it off to ensure no tress passing.

3.2 Upload Menu

Either system admin or operator can view the data that had been set inside the door controller by uploading. This is to check if there is any mistake in programming inside the door controller.

➢ **Time Setting** is used to upload current date and time of the controller. Beside that, it can upload to check the programming such as time set, time zone and holiday list. To check the programming, just compare the data uploaded with the data in the software that you had just program. This is needed especially when there are any changes in programming after you had found out that there is some time setting that needed to be adjusted.
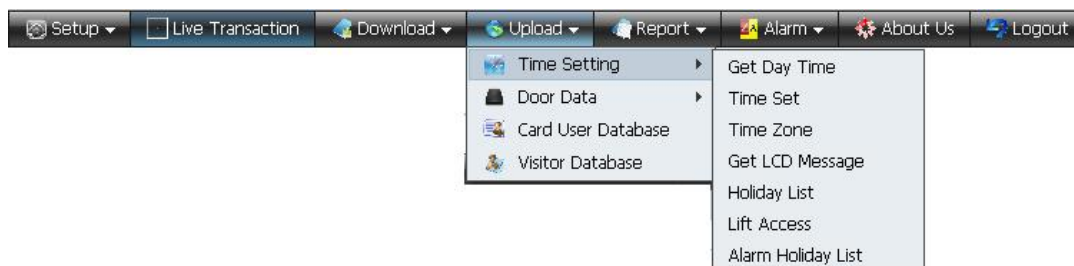
➢ **Door Data** will upload the door necessary data such as the door controller version and all the door parameter that been set into the controller such as release time, open time and antipassback activation.

➢ **Card User DB** is used to check who has access to which door. In another word, who can enter through this door can be view through the PC using this option.

> ➢ **Visitor User DB** is used to check who has access to which door. In another word, who can enter through this door can be view through the PC using this option.

Upload

Controller Available

#	Controller	Unit No	Description	Open Time	Release Time	IP Address
☐	CASHIER	0001		5	2	192.168.0.5
☐	HR DEPARTMENT	0002		5	2	192.168.0.5

Start Card No : 0000011235 ▾   End Card No : 0000011235 ▾
Card Name : ▾

☐ Select All

[⚏ Upload Now]   [⟳ Back]

By default the card is set from 000000 - 000000. You can check one card by name or by card number by setting the card information. Select which door you want to view by clicking the Controller Unit No button 00 and the below screen prompt. Select the corresponding controller unit number with the door that you wanted to check then click Select. It will go back to the screen shows above with the Controller Unit No. change to the selected controller unit number.

After you had set which card can access which door that you wanted to view, click **OK** it will upload the card from that particular door controller to see if the cards has been install into it or not. It will also shows you the time zone and pin number for that particular card.

Upload Status

Description	▲	Status
Card No : 0000011235		CASHIER
Card No : 0000011235		HR DEPARTMENT
Card Status : 48		
Card Status : 48		
Expired Date : 03/01/2009 10:33		
Expired Date : 03/01/2009 10:33		
Lift Access Level : 00		
Lift Access Level : 00		
Pin No : 0000		
Pin No : 0000		
Time Zone : 01		
Time Zone : 02		

Chapter 4 Miscellaneous Menu

4.1 Floor Plan Menu

The floor plan menu is use to add, edit existing and delete the floor plan that can be view in the floor plan online view. This option is only available at every falcoweb.
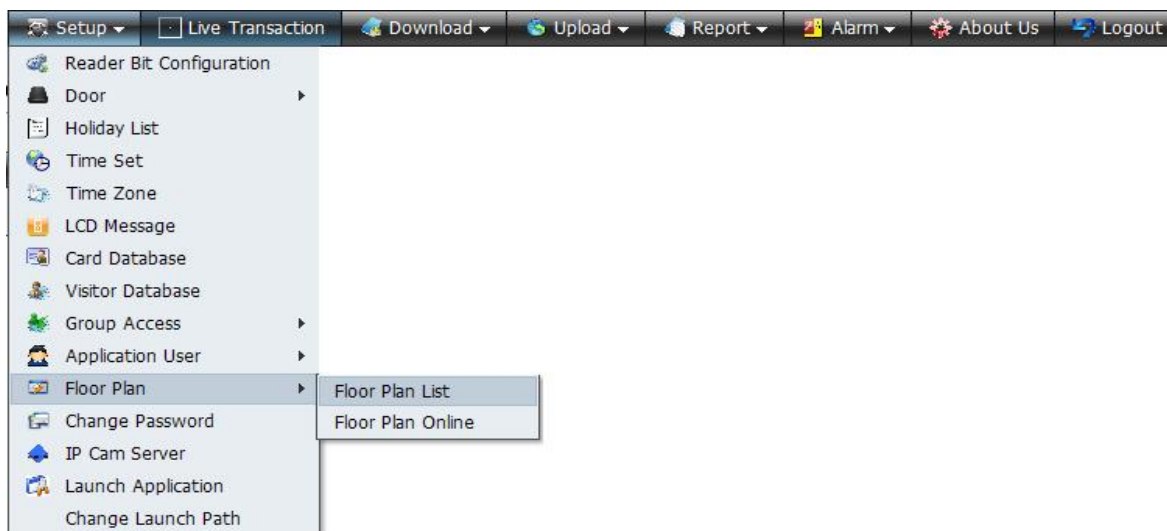

- **Add New Plan**

When you click on Floor Plan List, the above screen will be show. Simply enter the floor plan name.. Map Description is optional for you to describe the map location. Click on the browse button besides the Map URL to browse for the file, which contain your map file as needed. The system support window bitmap/JPEG file with a specified color, width and length (area). Click OK to add the new floor plan.

Click **Add Door** to add doors to the floor plan or click on the door and click **Del Door** to delete the door from the floor plan. If you whish to change the floor plan files, click **Load Map**. Remember to click **Save Plan** if you want to save the changes that you have made.
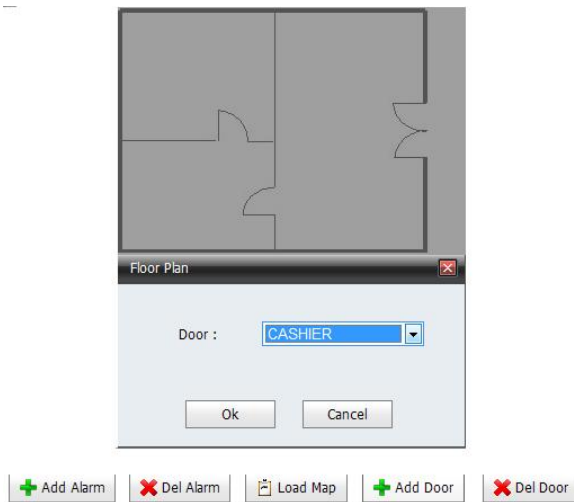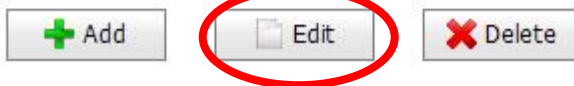

- **Edit Existing Plan**

  To Edit existing floorplan , go to **SETUP / FLOORPLAN / FLOORPLAN LIST / EDIT.** Select Floor map and click **SAVE** to start editing.

Floor Plan List

Floor Plan Name	Description	Last Update
MAINDOOR		03 Jan 2009 07:07:00

- **Delete Current Plan**

  To delete current plan or other floorplan , go to **SETUP / FLOORPLAN / FLOORPLAN LIST** and Choose map to delete then click **DELETE.**

Floor Plan List

| Floor Plan Name	Description	Last Update
MAINDOOR		03 Jan 2009 07:07:00
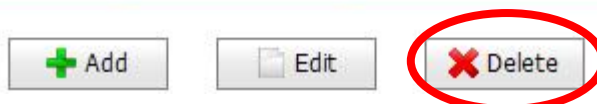
- **Next Plan**

     Click on Next Plan to shift to the next plan if you had added more than one floor plan. This is applicable only in floor plan online mode only. This is similar to the left arrow button on the floor plan online.

- **Previous Plan**

     Click on Prev Plan to shift to the previous plan if you had added more than one floor plan. This is applicable only in floor plan online mode only. This is similar to the right arrow button on the floor plan online.

4.2 View floor plan online

To open online floor plane , go to **SETUP / FLOORPLAN / FLOORPLAN ONLINE.** You may choose the map that you want to see online if you have many floorplan.
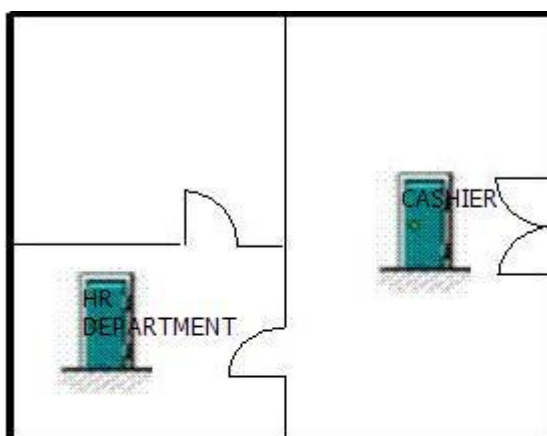
4.3 Report

Browse Transaction Report.

Reports menu will provide you with the information on each transaction that is been poll and store automatically into PC. Using reports will retrieve this information to be display to the user. The database use in FALCOWEB is SQL EXPRESS 2005.

When Filter is used, the screen above is prompt. The **Start Date** and **End Date** will specify the range of date that you want it to be display. The default is set to the current date. The **Start Time** implies the whole day transaction is wanted for display, by default value is 00:00 and end time default value is 23:59. This option is used for browsing purposes only and not to make any hardcopy or softcopy.

Specify the range of date that you want to printout. **Start Time** and **End Time** specified the range of time for each day that you want to printout.. This will filter out the unwanted card or use it to find out precisely where did a cardholder went to for the whole days and printout for analysis. Or you can also use the filter by Access Level.

Activity Log Report (Additional Feature)

Log Transaction Filter

Filter

Duration

From Date:	1/1/2009		To Date:	1/31/2009
Start Time:	0 0		End Time:	23 59

☑ Filter By Card

Card Information

Card Type :   Normal

Start Card No :   0000040050   End Card No :   0000046778

The Activity Log Report provides you a preview of the all Activity form which summit by the **card user**. When the card user who need to summit this activity log report in to database before they can exit the door. The **Start Date** and **End Date** will specify the range of date that you want it to be display. The default is set to the current date. The **Start Time** implies the whole day transaction is wanted for display, by default value is 00:00 and end time default value is 23:59. This option is used for browsing purposes only and not to make any hardcopy or softcopy.

Specify the range of date that you want to printout. **Start Time** and **End Time** specified the range of time for each day that you want to printout. Here by you can filter by **Group No and Company**. This will help you filter out the unwanted reports and printout for analysis

Filter

Duration

From Date:	1/1/2009		To Date:	1/31/2009
Start Time:	0 0		End Time:	23 59

☑ Filter By Group

Group No :

☐ Filter By Company

Group No :

Filter by Transaction Record

This displays all the transaction from the day you start using FALCO unless. All the transaction is store automatically and displays it all out in this screen shown above. By using **Filter**, which we discuss above, you can filter out the unnecessary transaction by selection date, time, card number and transaction.

➤ **Transaction Log Report**

    This option is used to make hardcopy or softcopy. Hardcopy is printout from the printer while softcopy is preview in PDF and Excel format. To make hardcopy or softcopy, go to **Reports/Browse Transaction Report** and tick at filter by transaction.. Which will prompt you a form to filter the transaction by selected the date, time, card number, and transaction. After you click on **Preview** button and the screen shown below will be display.

Transaction Listing

Drag a column header here to group by that column

Date & Time	Unit No	Door	Card No	Name	Transaction
2009/01/02 23:34:43	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
2009/01/02 23:34:55	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
2009/01/02 23:35:01	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Exit Access
2009/01/02 23:35:06	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
2009/01/02 23:35:23	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Exit Access
2009/01/02 23:35:29	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
2009/01/02 23:35:38	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
2009/01/02 23:35:40	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Entry Access
2009/01/02 23:47:59	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access
2009/01/02 23:48:06	0001	CASHIER	0000046778	MANIAM DRIVER	Valid Exit Access
2009/01/03 00:20:03	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Exit Access
2009/01/03 00:21:57	0001	CASHIER	0000040050	KHAIRUL AZWARI	Valid Entry Access

    Export to PDF   Export to Excel   Delete   Back

    In this screen that you can actually make a hardcopy or softcopy that you want. On top of the screen there were two icons button. The first button most to the left is to send to PDF format and you can print as a hardcopy. This is only applicable if you had your printer properly installed. The second button is to save this file as shown above in Ms Excell format. After you had save the file to the location that you had specified, you can retrieve the file later.

About Us menu

About menu is to provide you with the information on software.
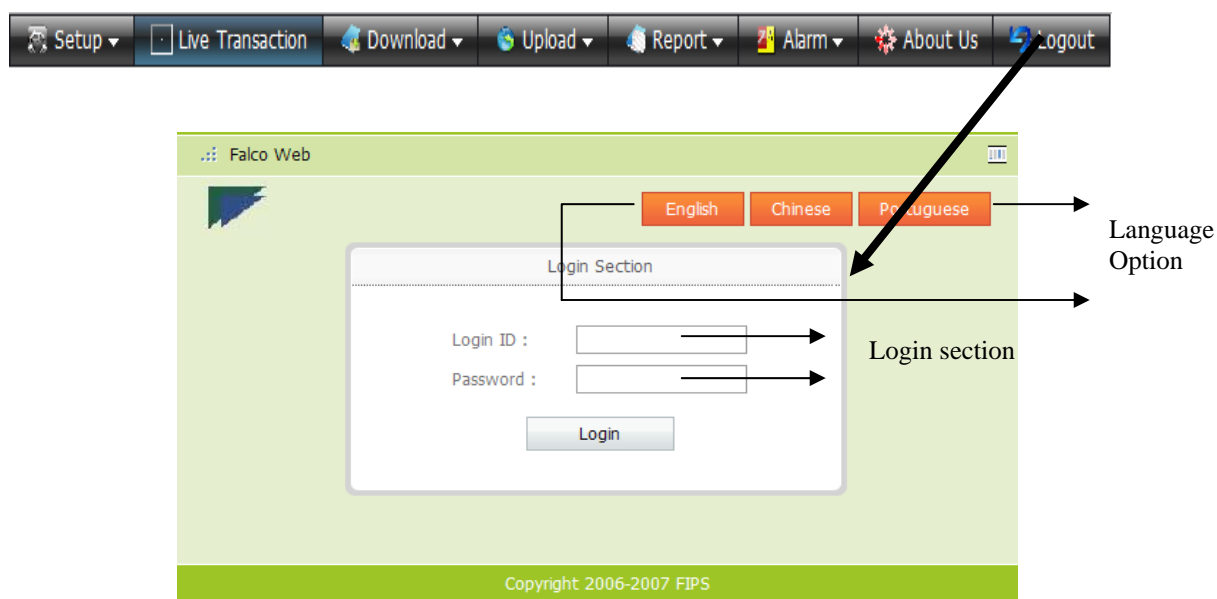

❖ Software Info
It displays the software version of the FALCO WEB card access system software. The Module section is to display the function activated of this software
Button – Back: is to close this information box

4.4 Logout Menu

Logout menu is to disconnect User from FALCOWEB application.

? Language Option
Select desired language option. For different language support please refers back to manufacturer (Language character must be support by other third party translator program. Different translator provides different effects). You can select your language option when you first login.

? Login Section
Enter your Login ID and Password at this section to use FALCOWEB application.

- Button " Login " use to log in user to FALCOWEB application.

Chapter 5 Additional Features

The additional features are optional and can be discards if you do not want to have this features included. The additional features are for video monitoring purposes.

5.1 Adding Video Camera

All the videos input are connected to the Milestone Software. Each Site Controller can support unlimited cameras. It can view live camera, playback and playback from events. The recordings of the video camera are all in motion recording.
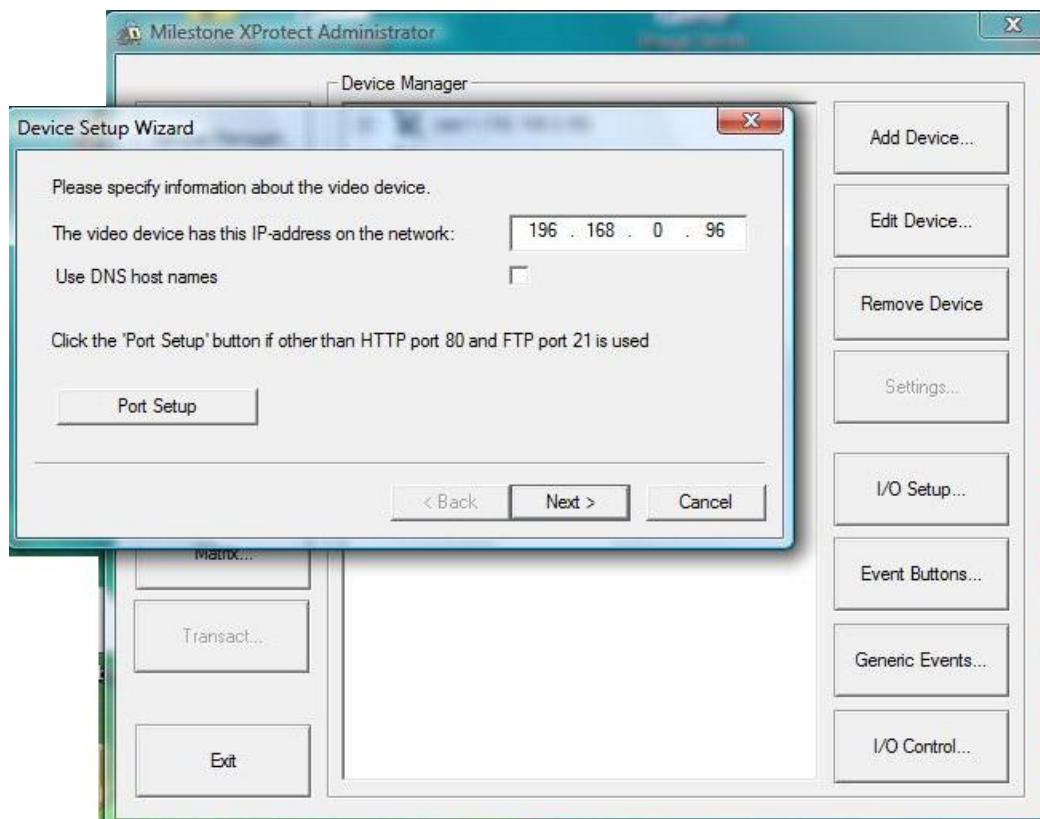
- Make sure both software below already installed in your PC before adding Video Camera.
  - First Milestone SDK
  - Second MilestoneXProtectEnterprise6.5
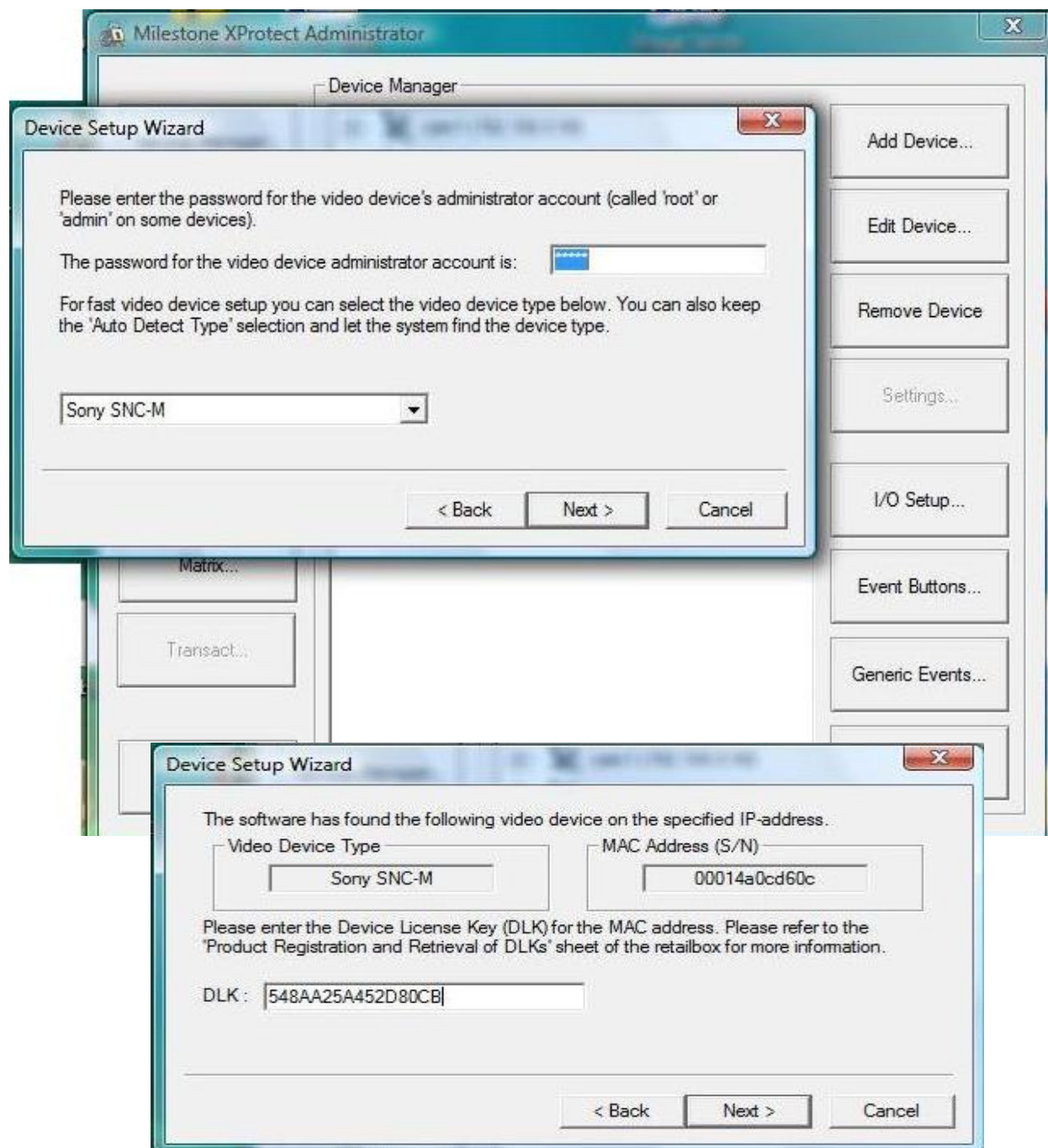
Add Camera Using Milestone

- Click Administrator icon at Desktop

- Click Add to add the camera
- Fill in the ip address for ip camera and click port setup to fill in the port number for that ip camera then next

- Fill in the password, default is "admin"/ "root" (default in some device)
- Select the model for the ip camera then next

- Key in the serial number for ip camera in DLK then Next
- Put the Cam Name and Click Finish.

5.2 Configured Milestone

- Milestone act like the server for ip camera, first we need to give the port for the milestone server
- Click the Image Server Administrative
- Put max number of clients to 1000

The port number show the milestone server port
- Click User setup to add a user
- Add basic user and key the user name and the password
  (Please take note the user name and the password will be use to connect the milestone server in the web base will have in the next section)

- Click User access and select the user created
- The camera added will show at the column Defined Camera.
- Click >> to add the camera to view by selected user
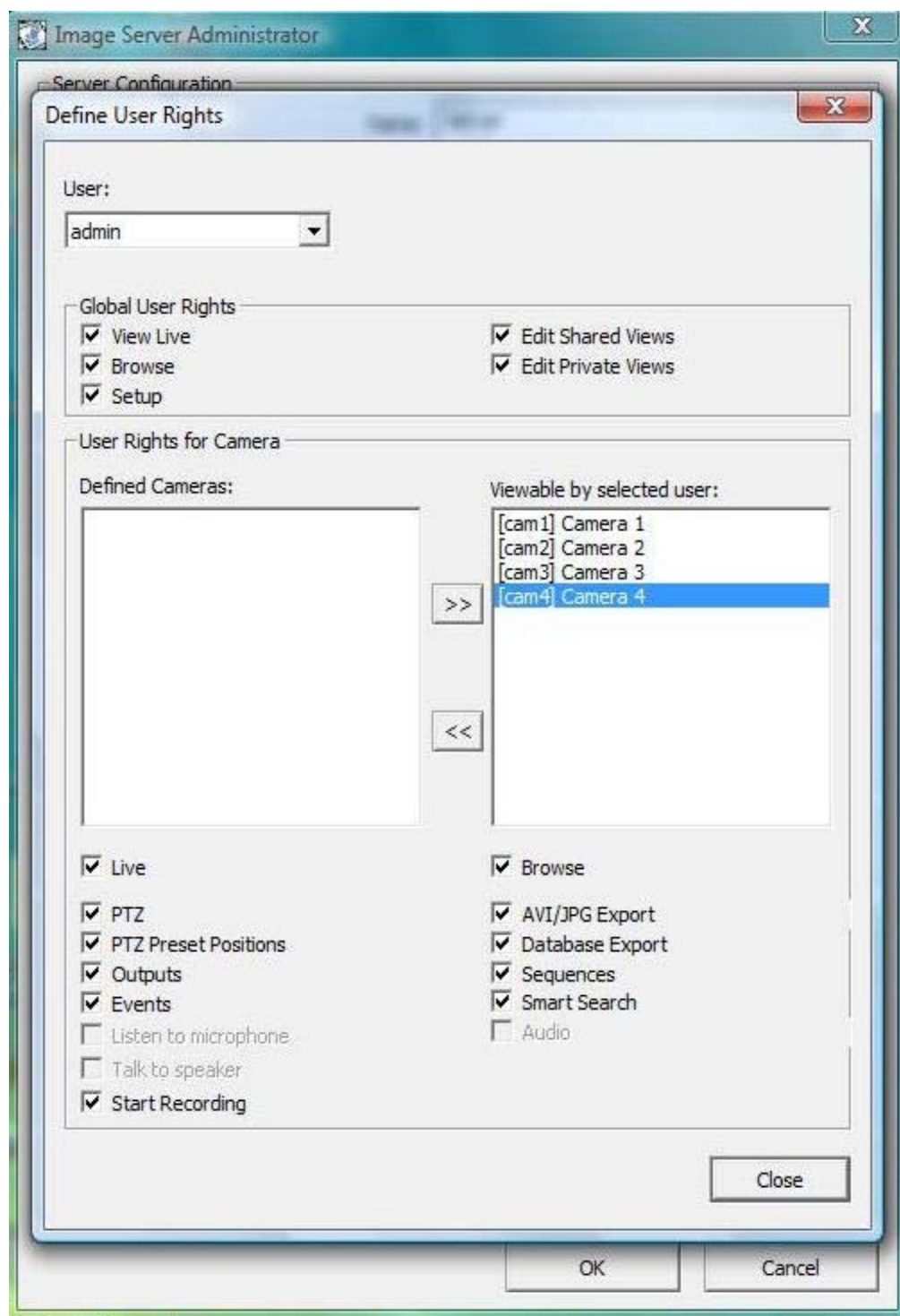
5.3 Connect Milestone Server with Web Base

- Inside web base, go to setup → ip camera configuration _
  Connecting server is http://localhost:(port number for milestone server)
  example http://localhost:3000
- User Name follow the user setup add in the milestone and password for the user
  then click connect.
- After message display "image server connected" , please enter once again password and server address then
  SAVE.

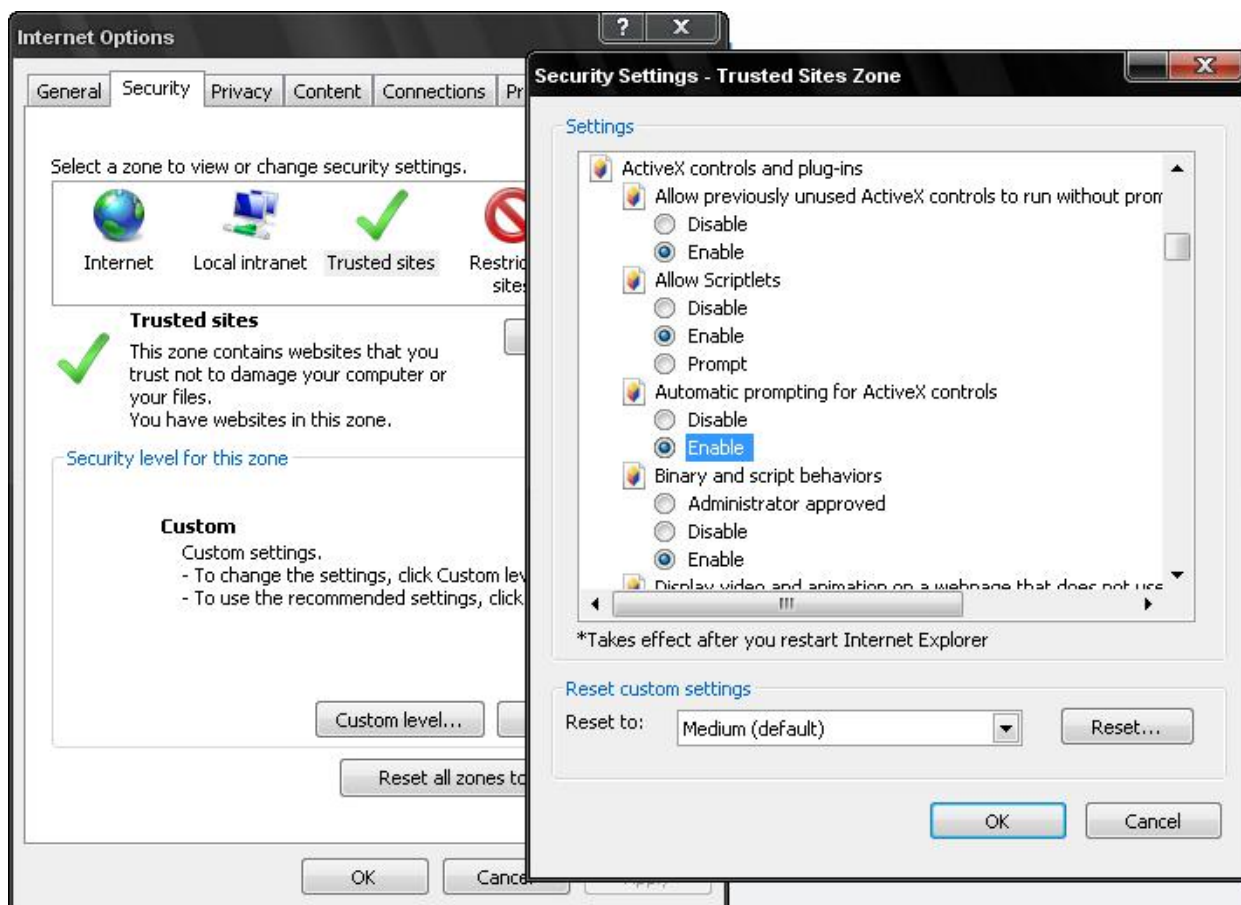### 5.4 Set Internet Option

- Inside Internet Explorer, click tools _ internet option

- Under security tab, select trust sites
- Add http://localhost then unselect the require server verification then ok

- At the same page, click custom level
  Enable all the active-x mode

5.5 Define Camera for Door controller

To add camera to door controller , go to **SETUP / DOOR / DOOR CONTROLLER / "**choose controller name"
/EDIT. Select Camera Setting from tab selector and set the entry and exit camera .

Door Detail

192.168.0.5 :

Door Detail	Unit Pin No	Network Configuration	Camera Setting

	Camera Set 1	Camera Set 2	Camera Set 3
Entry Camera :	[CAM1] Camera 1 ∨	[CAM1] Camera 1 ∨	[CAM1] Camera 1 ∨
Exit Camera :	[CAM1] Camera 1 ∨	[CAM1] Camera 1 ∨	[CAM1] Camera 1 ∨

Entry camera - Entry door camera
Exit camera - Exit door camera

5.6 Viewing Live Video

There is few way to **view live video**: One, Through the online transaction view
Two, . Through Card Tracking that you had setup or added.

5.6.1 Live Video By Live Transaction View

On the transaction online view, right-click on the **Transaction** that you want to see and select **Live Cam** on the pop-up menu as shown above.

Live Camera- Online

5.6.2 Watch Video from Main Page

On the transaction online view, right-click on the **Transaction** that you want to see and select **Video Watch** on the pop-up menu and it will show the watch window like below. Card detail also can be viewed to show the user who login to all door .

Card Detail   Online Transaction   Video Watch

Video Watch contains door name , User name who is login to particular door , User Card No , Entry Time user login and Exit time user Logout.

5.7 Playback

Play Back

[CAM1] Camera 1 - 2009/01/11 3:59:29 AM

Door :   HR DEPARTMENT

Transaction :   Valid Exit Access

Date Time :   2009/01/11 03:59:00
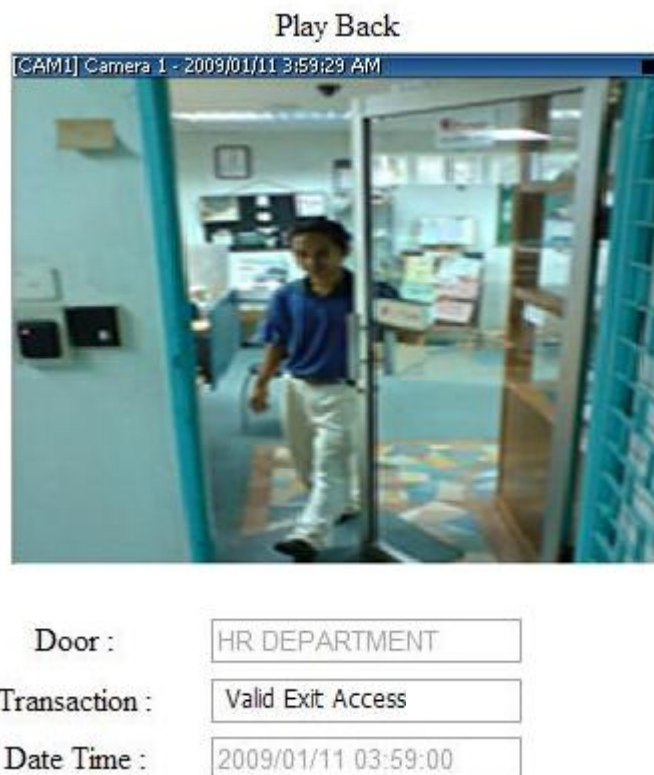
Playback show only the Valid Exit Access for all User and the picture when user login will display .Playback contains Door the user login , Transaction and Date time user log out.

Chapter 6 Additional Modules

FALCO are capable of future additional features for such as alarm monitoring and visitor management. These two features are not included in the standard package of the FALCO-TCTIP software. There will be some additional menu as show below.
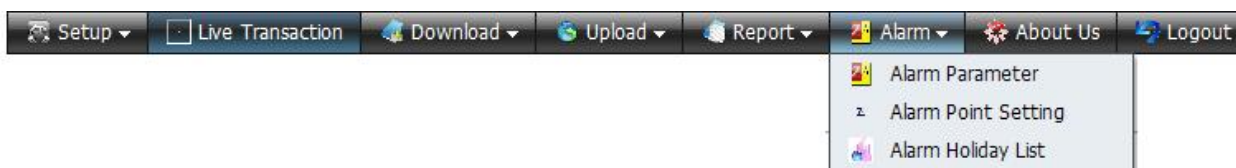
6.1 Alarm Module (Add On)

The alarm modules are not included in normal package. This module are used for alarm monitoring and all the setting are required a different controller to do the job. Basically for alarm module it can do arming and disarming alarm by using card access system. Not all cards can arm the alarm. These are settable from the FALCO software. Some features with this additional alarm module is as listed below:
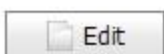
➢ Arm and disarm alarm using proximity card settable from software
➢ Arm and disarm alarm from software itself
➢ 32 input zone for alarm monitoring. (NO/NC)
➢ 1 output to drive siren or strobe light
➢ additional LCD module can be added for display

6.1.1 Setting up Alarm Parameters

This basically to specify which door controllers have this alarm features installed. These will determine which doors are for alarm and which doors are not. Go to **Setup/Alarm Parameters** and click Add or Edit. It will prompt a screen as shows below.

Alarm Parameter List

Controller	Alarm Mode Description	Arming Time	Delay Exit	Delay Schedule Arming	Delay Auto Arming
		No data to display			

[Add] [Edit] [Delete]

[Setup ▾] [Live Transaction] [Download ▾] [Upload ▾] [Report ▾] [Alarm ▾] [About Us] [Logout]

Alarm Parameter

Controller :   ASHIEP ▾

Description :

Unit No :   0 ⇕

Detail

| Detail | Unit Pin No |

Detail

Alarm Mode :   ☑ Alarm Activated
                ☐ Alarm Card + Pin
                ☐ Auto Pin Mode

Arming Time :   00 ▾
Delay Exit :   5 ⇕   /10s
Delay Schedule Arm :   2 ⇕   /10s
Delay Auto Arm :   5 ⇕   /min

1. **Select**. Choose the door controller that installed with alarm features. This basically determines which door controller is with alarm and which is not.

2. **Alarm Mode**. Check to enable the alarm mode that you want.
    ➢ Alarm Activated > enable the alarm mode features.
    ➢ Alarm Card + PinNo > select either card only mode or card + pin mode for disarm only.
    ➢ AutoPin > enables pin only mode for arm and disarm.

3. **Arming TZ**. This is use to schedule the time for auto arming. The time zone you specified starts the arming sequence. During arm, there will be a delay specified by "Delay Sch Arm" and buzzer will beep during the delay. After it is arm, it will not automatically disarm until you disarm it manually. If you disarm it during the scheduled time (Time Zone), it only will provide you a limited time access before it automatically arm back. The time you can specified by setting "Delay Auto Arm" time. Schedule arming is use in case if you forgot to arm, the system will arm it for you.

4. **Delay Exit**. Specified the exit delay time when you arm the system manually. The number you specified are multiply by 10's as the actual delay time. Therefore if you set the number to 3 the delay time is set to 30's. During the delay there will be buzzer beeping before it was fully arm.

5. **Delay Sch Arm**. Specified the delay time when the schedule arming activated. When the scheduled arm starts, there will be a delay. The number you specified are multiply by 10's as the actual delay time. During the delay there will be buzzer beeping before it was fully arm.

6. **Delay Auto Arm**. Specified the delay time during auto arm time zone period. This delay is when you disarm the system during the period of scheduled time of arming. The number you specified are multiply by 1min as the actual delay time.

7. **Arming Pin No**. Here is where you specified the pin number for pin only mode of arm and disarm. There is 10 combination of 4-digit pin number that you can specify. Each combination are enabled by time zone. You can set it by double clicking on the data area

6.1.2 Setting up Alarm Points Setting

This is to setup each alarm input points characteristic. There are total of 8 input zone for each controller that is equip with alarm features (interface card is required) and 1 output relay to drive the siren. To set this input zone, go to **Setup/Alarm Points Setting** and click add or edit. The screens are as show prompt.

1. **Controller**. Click down icon to select the door controller that is having the input zone for alarm monitoring. Each door controller should have maximum of 8 input zone.

2. **Tag Name**. This tag name enables you to identify the zones where your sensors connected.

3. **Description**. Specified a brief description of the input zones.

4. **Alarm Point No**. On hardware, there are 8 input label from 1 to 8,. The setting here must be correspond to the labeled input.

5. **Active**. Either activate or deactivate this input zone.

6. **Active 24 hours**. Activate this input as a 24 hour input zone monitoring.

7. **Active Logic**. Either active high or active low. Active high is for input with NC devices and Active low is for input with NO devices.

8. **Trigger Output**. Either you want to triggers the output or not. This output will drive the siren or strobe light.

6.1.3 Setting up Alarm Holiday List

      For special days such as holiday, you want to have a different time to auto armed the system. So you can set it here. Go to **Setup/Alarm Holiday List** and clicks add or edit. The screens as show below prompt.

1. **Holiday No**. This holiday number is unique. Just serve as a record number from 1-50.

2. **Description**. Give a brief description on the records of alarm holiday setting.

3. **Month**. Set the month of the date of holiday.

4. **Day**. Set the day of the date of holiday.

5. **Time Set**. Specified the auto arming time during the holiday.

** Note: the setting on the holiday list will overwrite the setting of your scheduled arm time zone for that particular day.

6.1.4 Alarm Card and Non-Alarm Card

To distinguish between alarm card and non-alarm card, there is a setting on card database. Go **to Setup/ Card Database** and click add or edit. The screens as show below prompt.

If the alarm card is set to **yes**, then this card is an alarm card. If it is set to **no**, then this card is a non-alarm card. This feature is not available in normal package of FALCO-ECOM software. Beside use in card access, alarm card will have the responsibility to arm and disarm alarm. Alarm card usually is issued to the person who responsible for arming and disarming alarm such as guard and person in charge. The time zone applies for card access is also applies for the arming alarm time limit. Non-alarm card is only use in card access.

6.1.5 How To Arm and Disarm Alarm

1. To arm the alarm manually, first you must have a valid alarm card. Prox the card on the out reader (going out) 3 successive times and the buzzer will beep for a delay time set (delay exit). Go out and secure the door. After the delay the system will be arm.

2. To disarm the alarm manually, first you must have a valid alarm card. Prox the card on the in reader and it will disarm the alarm.
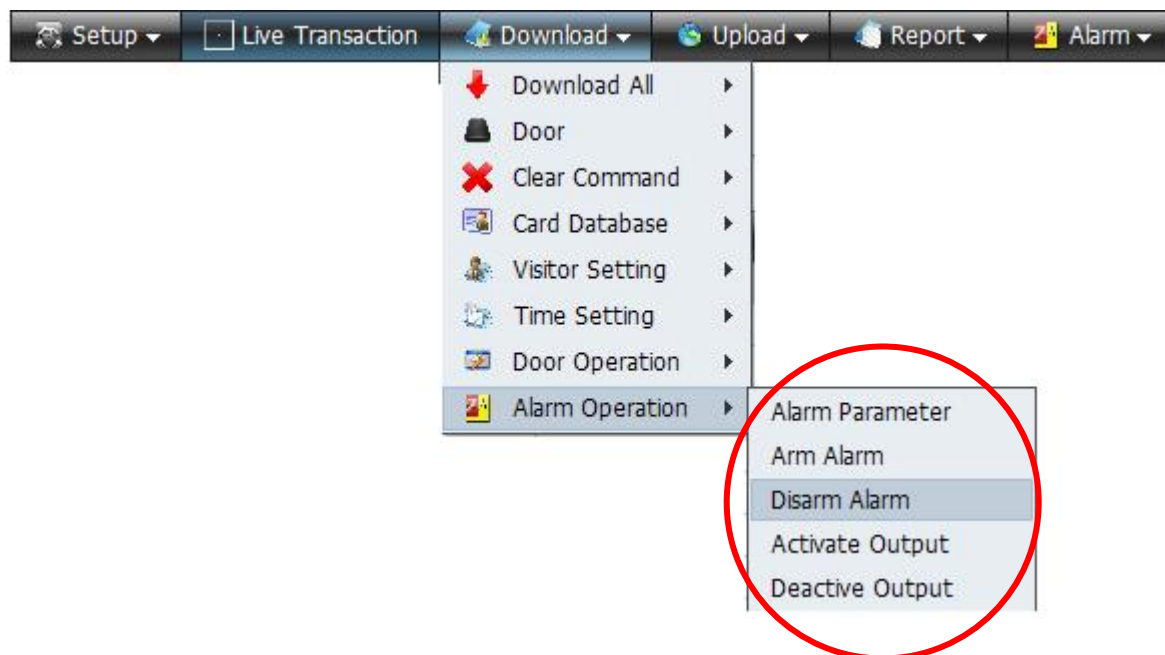
3. You can also use the software to arm or disarm the alarm. Go to **Download/Alarm operation/Arm Alarm** or **Disarm Alarm**. Choose which door controller that you want to arm or disarm the alarm.

4. You can also use the software to activate or deactivate the output. Go to **Download/ Alarm operation /Activate Output Deactivate Output** The output can be use to drive the siren or strobe light.

6.2 Visitor Module

Visitor List

Drag a column header here to group by that column					
Card No	Access Level	Name	Company Name	Contact No	IC / Passport No
0000011235	01	WAN NORHALIZA	BANK NEGARA MSIA		770609-29-5564

➕ Add   📄 Edit   ❌ Delete

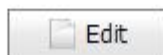> Go to setup menu and click visitor card database (**Setup/Visitor Database**), a listing menu will appear as beside. This menu allows you to add, edit or delete a visitor cardholder.

6.2.1 Install a Visitor Card

After click on **Add** / **Edit** button, the above menu will appear. Just type in the Card Number, Cardholder's Name, select the period of validation time for the card access and appropriate time zone for him/her. If you are using a card and pin reader, then you will require entering a 4-digit pin code that is applied to that particular card.

A Period of time that allows to specified the validity period or the expiry date and time of the card. A more detail record will allow to type in more detail information for the visitor. To add a frame of picture with the particular cardholder, please click on the upload button and browses for the picture file that is already scan and save in your computer.

The card number can be obtained by swapping the card at the proximity reader and been polls to your FALCO software where it will display an unknown card with its card number as well.

Note: If you want to have different access level for different visitor card holders, click "**No"** when you are prompt to install **Visitor Card Data To All Active Controller**. If you want to have the same access level for all the cardholders, then click "**Yes"** to **Install Visitor Card Data To All Active Controller**.

6.2.2 Installing Visitor Card To Controller

1. After you had setup the visitor card to the database, you will be required to download it to the door controller. To download to the door controller, go to **Download/Visitors Setting/Install Visitor Card** and the screen as show below prompt.

2. If you have installed more than one door, you need to determine which doors the visitors are allowed to access. Then set the access level accordingly and applied to the visitor card database. (Please refers 0 2.7 Access Level and also **Error! Reference source not found. Error! Reference source not found.** for further details.)

3. If you install with only one door, then you will need not to group the visitor cards. You just need to select which door and download it to the door controller.

4. If you wish to install according to the access level set, check the check box on Select All Site Controller and Controllers then click OK.

6.2.3 Delete a visitor card from database and controller

1. To bar a visitor from accessing your premises. Go to **Download/Visitors Setting / Delete Visitor Card** and you will see a screen similar with install visitor cards.

2. Select a visitor card number or name that you want to bar it.

3. Tick "by controller" check box so that it will delete it from by controllers selected.

4. Click OK to delete the visitor card and the visitor will not have access any more.

5. This will only stop the visitor access and it will not delete the visitor records from the database.

6.3Fire Alarm Module
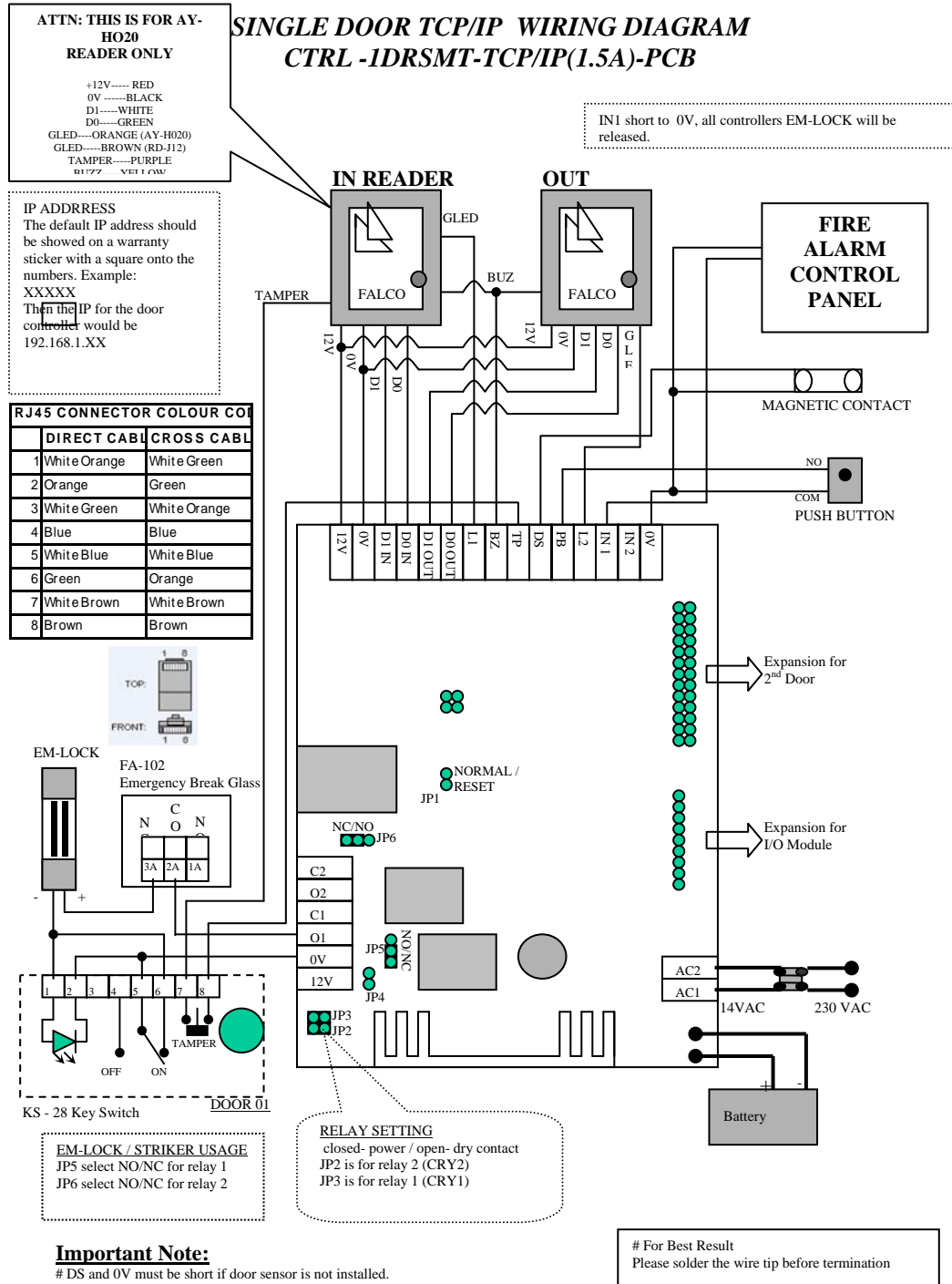
6.3.1 Setting Fire Alarm door release function

      Please go to Setup/Door/Door Controller, and then click Edit and the screen above prompt. Select "Yes" on Fire Alarm Enable button to enable that particular door as fire alarm doors. When this is enabled, this door will be release whenever fire signals is received. There are two fire alarm signals it will receive from. **One** is direct from the fire alarm control panel itself to Falco control panel board input (as shown in 6.3.2Fire Alarm Hardware Connection below). Once this signals is received, it will transmit another signal through its TCP/IP communication port to others controller. **Second** is signals from others controller through TCP/IP network. EM-Lock will be release and switch to security off mode.

Select "No" if you do not want this particular door to be release upon receiving the two fire alarm signals. It will ignore any fire alarm signals either directs from panel or from other controller.
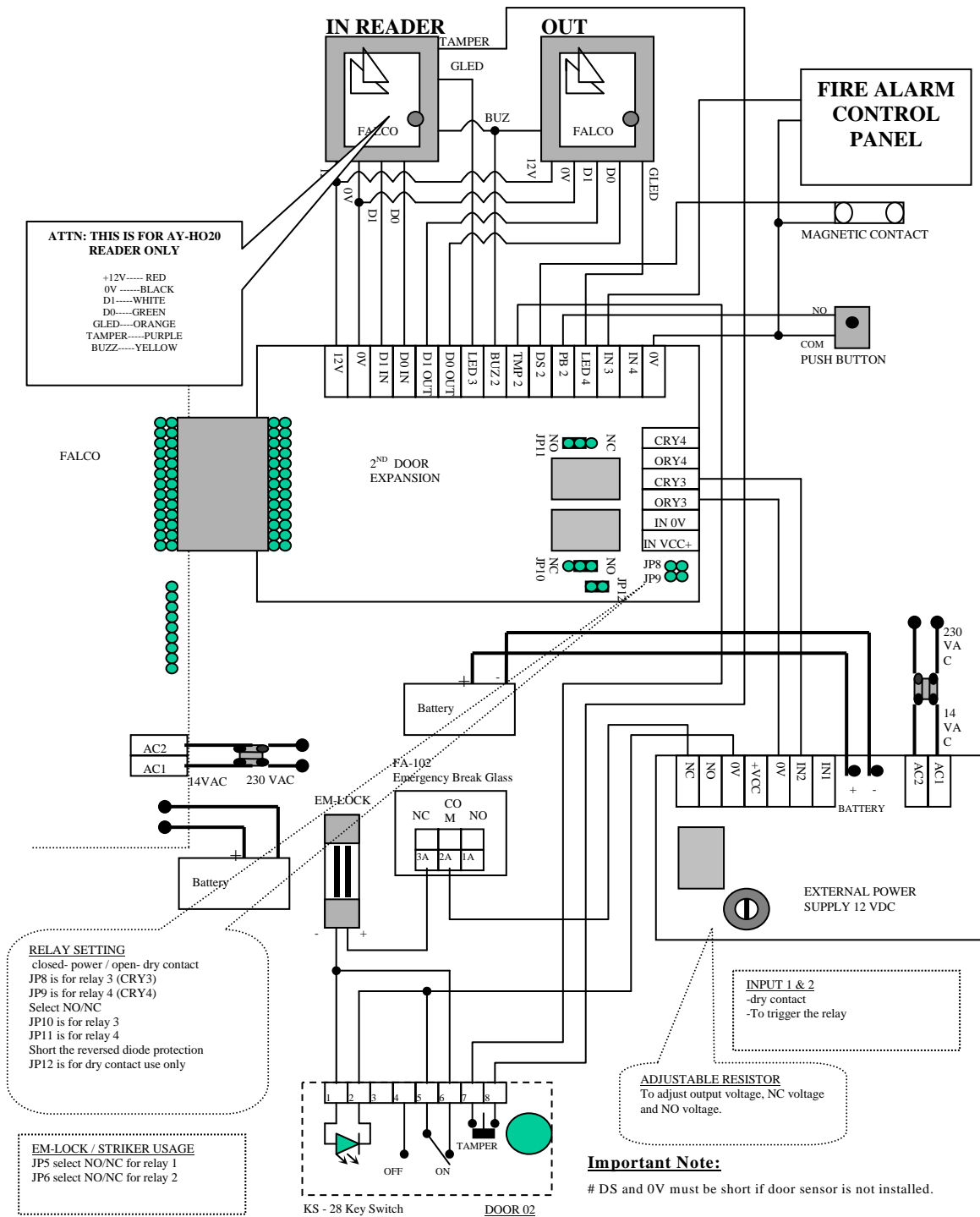
Once fire alarm signals is triggers and door is switch to off mode, you need to enable back the security of all controller direct from software controls. Only required 1 pair of wire connection to the closest Falco door controller as shown in Fire Alarm Hardware Connection below will be sufficient.

6.3.2 Fire Alarm Hardware Connection

ATTN: THIS IS FOR AY-HO20 READER ONLY

+12V----- RED
0V ------BLACK
D1-----WHITE
D0-----GREEN
GLED----ORANGE (AY-H020)
GLED-----BROWN (RD-J12)
TAMPER-----PURPLE
BUZZ----- YELLOW

SINGLE DOOR TCP/IP WIRING DIAGRAM
CTRL -1DRSMT-TCP/IP(1.5A)-PCB

IN1 short to 0V, all controllers EM-LOCK will be released.

IP ADDRRESS
The default IP address should be showed on a warranty sticker with a square onto the numbers. Example:
XXXXX
Then the IP for the door controller would be 192.168.1.XX

IN READER

GLED

OUT

BUZ

FIRE ALARM CONTROL PANEL

TAMPER   FALCO   FALCO

12V 0V D1 D0 12V 0V D1 D0 G L F

MAGNETIC CONTACT

NO

COM

PUSH BUTTON

RJ45 CONNECTOR COLOUR CODE		
	DIRECT CABLE	CROSS CABLE
1	White Orange	White Green
2	Orange	Green
3	White Green	White Orange
4	Blue	Blue
5	White Blue	White Blue
6	Green	Orange
7	White Brown	White Brown
8	Brown	Brown

12V 0V D1 IN D0 IN D1 OUT D0 OUT L1 BZ TP DS PB L2 IN1 IN2 0V

Expansion for 2nd Door

TOP:
FRONT:

Expansion for I/O Module

NORMAL / RESET
JP1

EM-LOCK

FA-102 Emergency Break Glass

N C N
O
3A 2A 1A

NC/NO
JP6

C2
O2
C1
O1
0V
12V

NO/NC
JP5
JP4

JP3
JP2

AC2
AC1

14VAC   230 VAC

1 2 3 4 5 6 7 8

TAMPER

OFF   ON

Battery

+ -

KS - 28 Key Switch   **DOOR 01**

RELAY SETTING
closed- power / open- dry contact
JP2 is for relay 2 (CRY2)
JP3 is for relay 1 (CRY1)

EM-LOCK / STRIKER USAGE
JP5 select NO/NC for relay 1
JP6 select NO/NC for relay 2

Important Note:
DS and 0V must be short if door sensor is not installed.

For Best Result
Please solder the wire tip before termination

By Sim 29-06-2006

TCP/IP 1 DOOR SMT Wiring Diagram (*2nd Door Expansion*)

IN READER

TAMPER

GLED

BUZ

FALCO

OUT

FALCO

12V 0V D1 D0 GLED

FIRE ALARM CONTROL PANEL

MAGNETIC CONTACT

ATTN: THIS IS FOR AY-HO20 READER ONLY

+12V----- RED
0V ------BLACK
D1-----WHITE
D0-----GREEN
GLED----ORANGE
TAMPER-----PURPLE
BUZZ-----YELLOW

0V
D1
D0

12V 0V D1 IN D0 IN D1 OUT D0 OUT LED 3 BUZ2 TMP 2 DS 2 PB 2 LED 4 IN 3 IN 4 0V

NO

COM

PUSH BUTTON

FALCO

2ND DOOR EXPANSION

JP11 NO NC

JP10 NC NO JP9 JP8

CRY4
ORY4
CRY3
ORY3
IN 0V
IN VCC+

230 VAC

14 VAC

Battery + -

AC2
AC1

14VAC 230 VAC

Battery +

EM-LOCK

FA-102 Emergency Break Glass

NC COM NO

3A 2A 1A

NC NO 0V +VCC 0V IN2 IN1

+ -

BATTERY

AC2 AC1

EXTERNAL POWER SUPPLY 12 VDC

RELAY SETTING
closed- power / open- dry contact
JP8 is for relay 3 (CRY3)
JP9 is for relay 4 (CRY4)
Select NO/NC
JP10 is for relay 3
JP11 is for relay 4
Short the reversed diode protection
JP12 is for dry contact use only

INPUT 1 & 2
-dry contact
-To trigger the relay

ADJUSTABLE RESISTOR
To adjust output voltage, NC voltage
and NO voltage.

EM-LOCK / STRIKER USAGE
JP5 select NO/NC for relay 1
JP6 select NO/NC for relay 2

1 2 3 4 5 6 7 8

OFF ON TAMPER

KS - 28 Key Switch

DOOR 02

Important Note:

DS and 0V must be short if door sensor is not installed.

By Sim 29-05-2006

6.3.3 Security 'On' After Fire Alarm Triggers

After the fire alarm has been triggers, all the fire alarm door controller will be release or security 'off'. To 'On' it back, you will need to use the software to turn it on back to normal. Please go to **download/Door Operation/Security On** and a screen will prompt as shown above. Select All Controller and click OK to send and lock back all doors to normal operational state.

6.3.4 Global Antipassback

Anti-Passback allows the system to track the in and out status of the card holders. When implemented - if an access code is In, it will only be granted access at an Out device. When an access code is Out, it will only be granted access at an In device

Zoned Anti-Passback is accomplished with four independent zones of Hard (In/Out), and Soft (Entry/Exit) Anti-Passback. Each reader can be in any or all of the four zones. Each card maintains a separate In/Out status for each of the four zones. This allows Anti-Passback to be used on both exterior and interior doors without the two zones affecting each other.

If Anti-Passback is used, the controllers maintains the In and Out status of each person in the system. After entering an In Device, the person will not be able to enter the same or another In Device without first exiting through an Out Device unless it is in a different zone. The reader can be in up to four Anti-Passback zones. It could be an In reader for one zone and at the same time be an In or Out reader in another zone. The card holder is denied access if the card read is in violation of the passback status to any zone.

Anti-Passback is most commonly used in parking garage systems to prevent someone from using their card to enter the garage and then passing the card back for the car behind them to use. When Anti-Passback is used in the system, a card that has been used to enter the garage must be used to go out of the garage before it may be used to enter again. The Device for the entry to the building could also be an In reader in a different zone and Out reader for the garage zone to allow the card holder to enter IN the garage and then IN the building.

6.3.5 Setting Global Antipassback

To start using global antipassback , user must enable the global antipassback feature at **DOOR,DOOR CONTROLLER,EDIT (antipassback door choosen).**

- After enable global antipassback feature , goto **Setup , Door , Global Antipassback.**
- **Tick** at controller that you want to use antipassback feature. Then save.
- So antipassback for group no 1 is only for controller unit no **0001 – LEVEL 3 (FRONT)**

- If user want to use Global Antipassback for example for LEVEL 3 AND LEVEL 4 . Point to "Group No" then choose "2" to create new group no.
- **Tick** LEVEL 3 AND LEVEL 4 then click save.
- So LEVEL 3 AND LEVEL 4 is set to antipassback zone.

Chapter 7 Lift Zone

7.1Lift Access Level

First Step to Setup the Lift Access Level is Go to Setup →Group Acess → Group Lift Access
The purpose of Group Lift Access is use to manage different Lift Access Level.

Lift Access Listing

#	Start 01	End 01	Start 02	End 02	Start 03	End 03	Start 04	End 04	Start 05	End 05	Start 06	End 06	Description
00	00	00	00	00	00	00	00	00	00	00	00	00	No Access Lift Zone
01	01	64	00	00	00	00	00	00	00	00	00	00	Free Access Lift Zone
02	1	3	6	10	0	0	0	0	0	0	0	0	

By default there are 2 Lift Access Level, where Lift ID 00 mean cannot access any floor, and the LiftID 01 is allowed to access all floor (01-64) for the building.

Click the Add button to add a new custom lift access level. You can set such as Lift ID 02 with level 1-3 and level 6-10. Click Edit to change the settings and delete to delete the setting.

Here user can set the Lift Access Level to allow user access to which floor. For Example, if just want to allow user access Floor 1 only, then at the Interval 1 set From1 :01 and To1 :01. This indicates that user who has the Lift ID 02; he can only has access to floor 1 only.

Card User Detail

Card Detail

Card No : 0000040050

Name : KHAIRUL AZWARI   Access Level : 01

Card Pin No : 0000   Lift Access : 02   ← Access Level 02

Alarm Card : ☑ Yes

Now to add/edit a user with Lift ID 02 who only can access floor 1, Go to Setup/Card database and click Add/Edit. Here click on the Lift Access and select LiftID 02. This will set the user to access level to 02 and only can have access to floor 1.
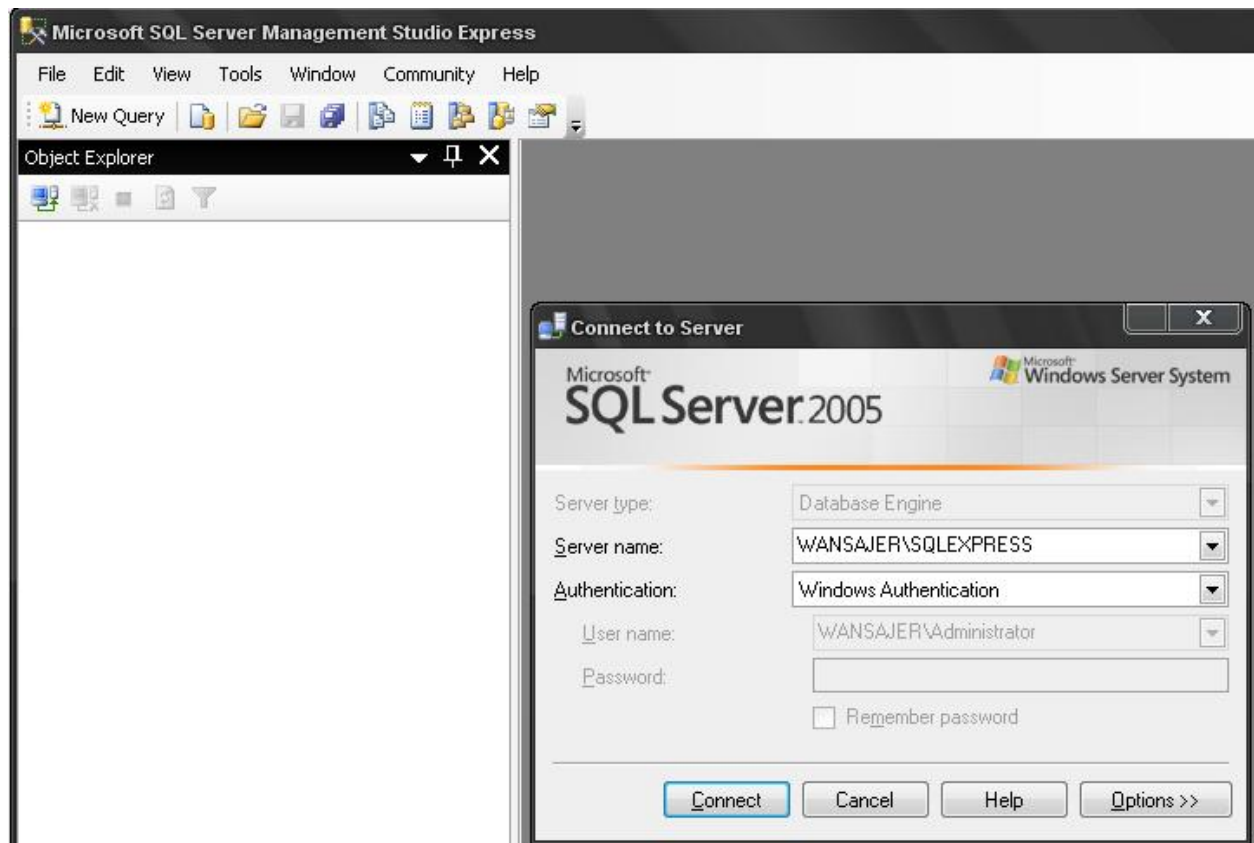
Chapter 8 Backup and Restore Database

BACKUP DATABASE

Inside the CD has a installer package "SQLServer2005_SSMSEE.msi" Install this software for the backup application. After finish installation , open "SQL Server Management Studio Express" from Start Menu , All Programs , Microsoft SQL Server 2005.
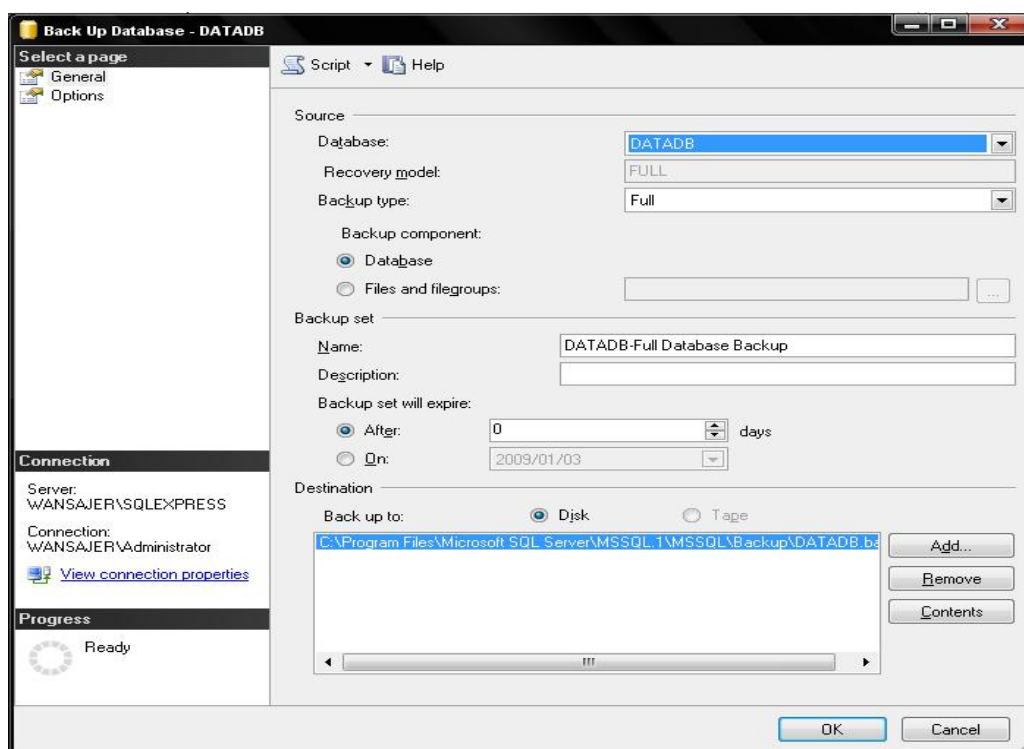
Open the application.

Select the Server Name (default must be xxxxx\SQLEXPRESS) and Authentication Mode type either Window Authentication mode or SQL Server Authentication. .After that click connect to link up the Server database.
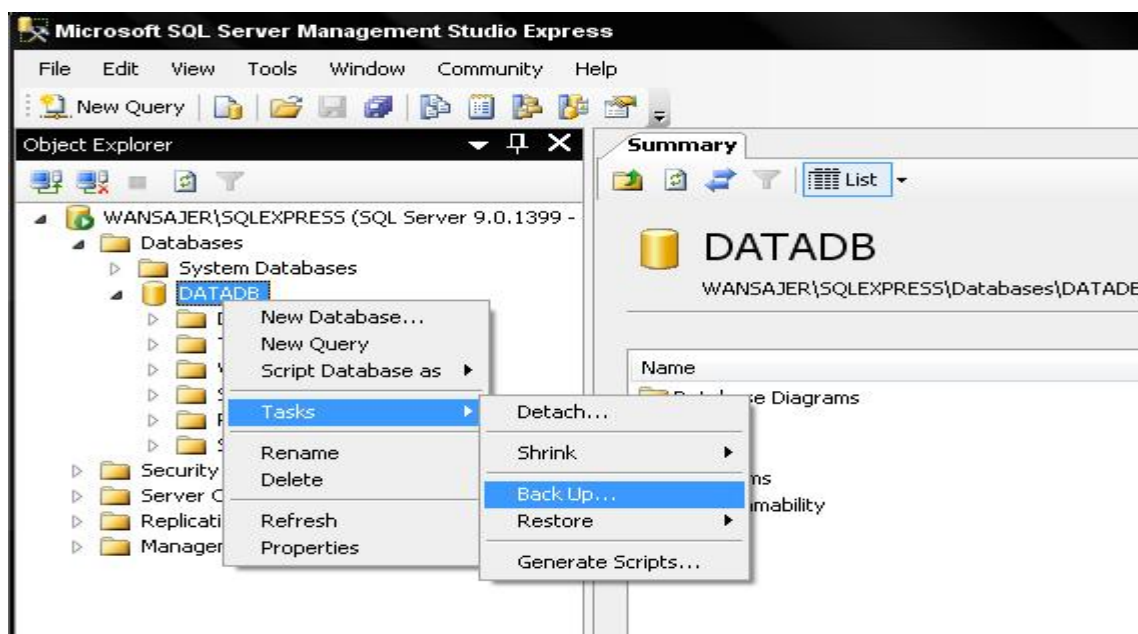
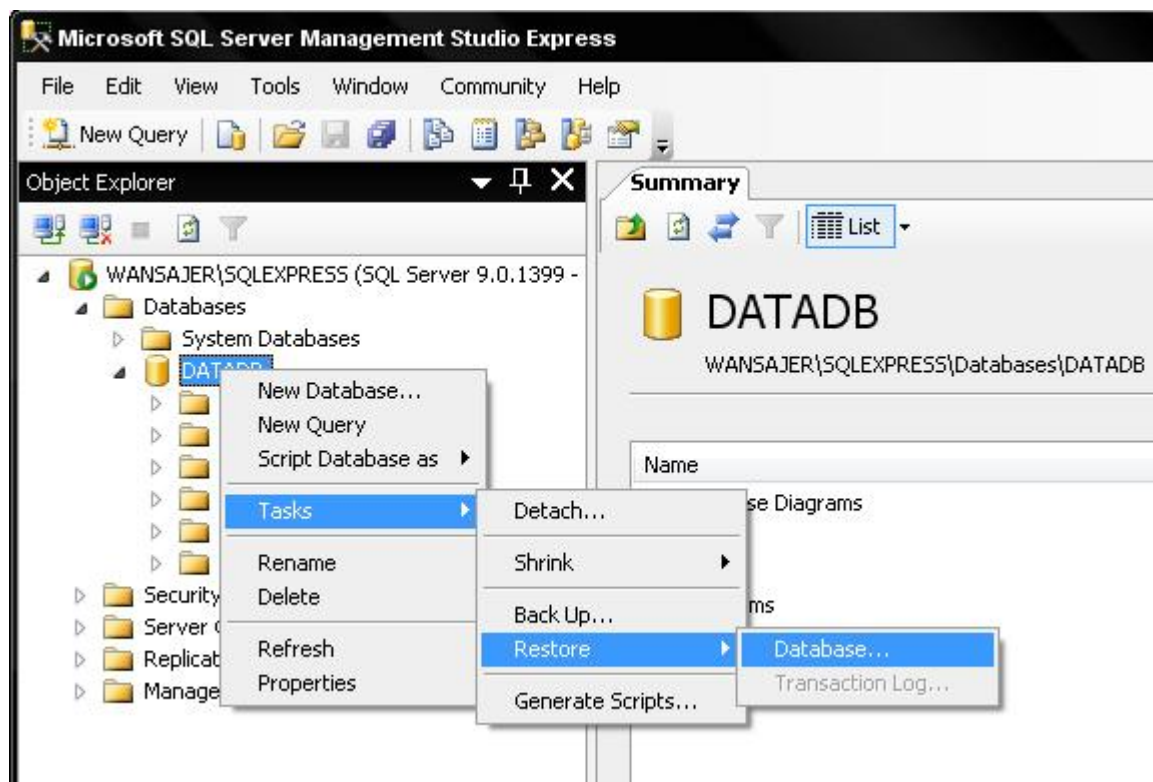➢ Right Click the DATADB, Task and select the Backup Database.

➢ Select the directory which you want to Backup . Default location is C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\ Backup.
➢ To store in different location , Click "**Remove"** first then click **"Add"** to specify new folder / storage.
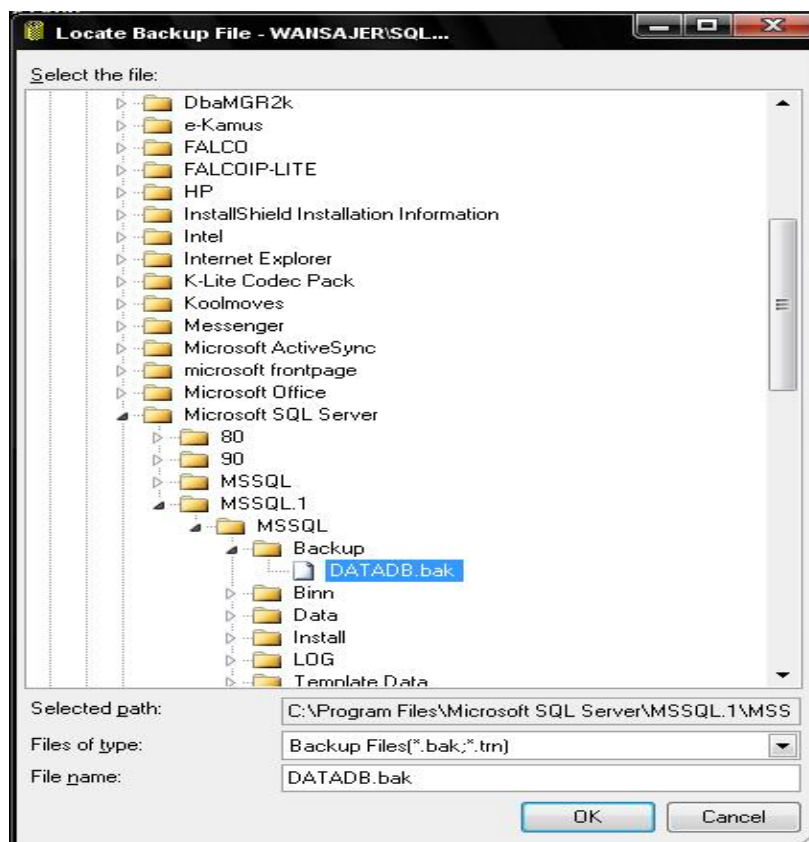
> ➢ After add a new location of storage, Click OK to backup database.
> ➢ Message like below displayed when backup database completed.
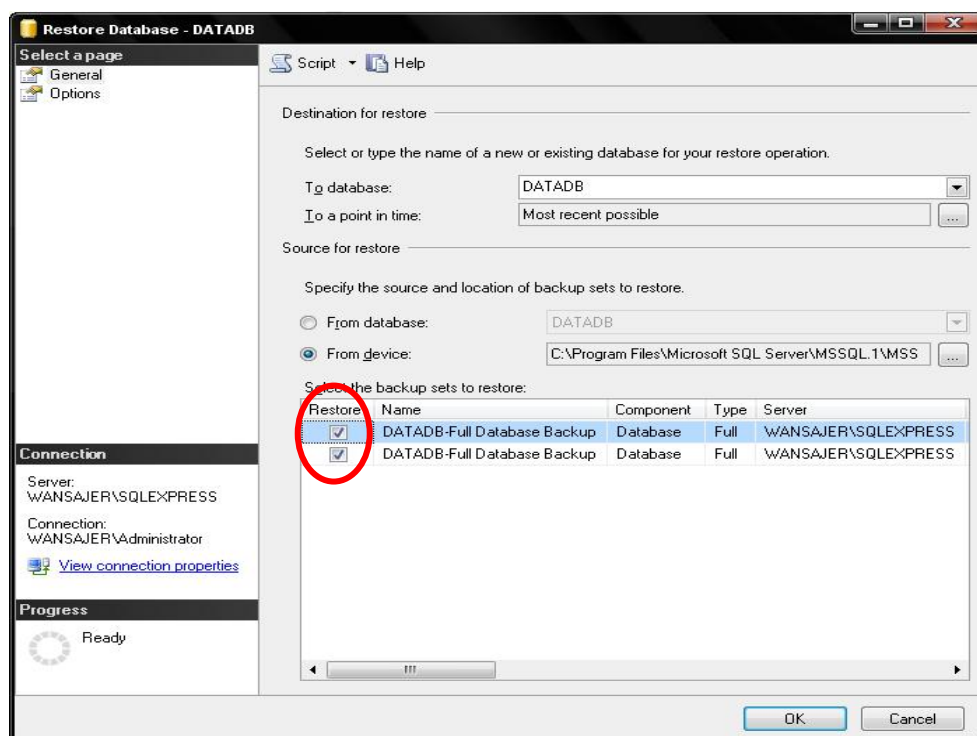
RESTORE DATABASE

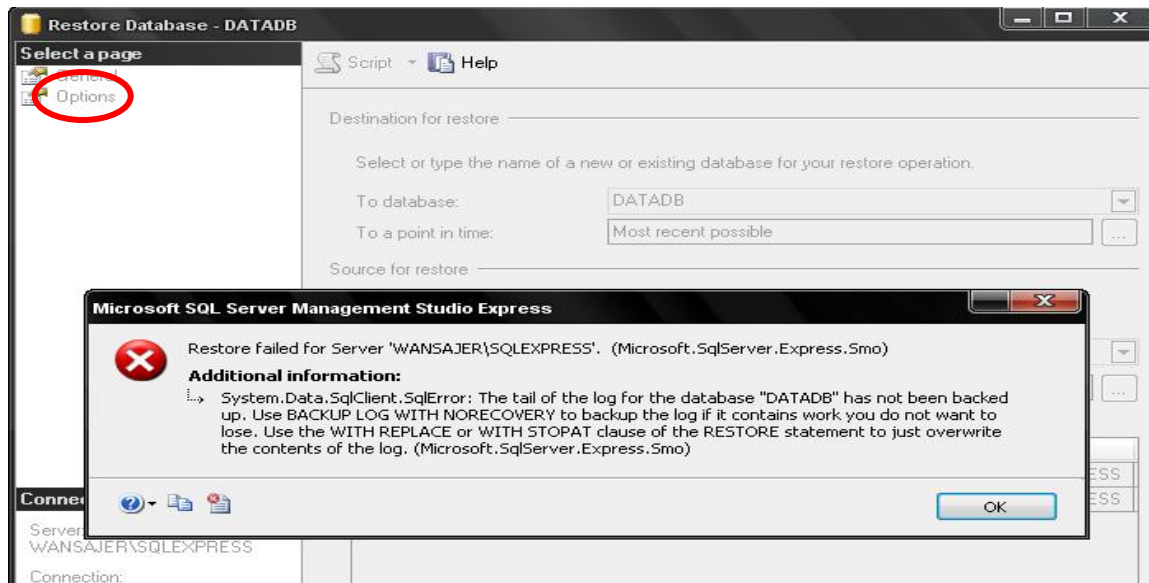a) Right Click DataDB → Tasks → Restore → Database

b) Select From Device → Directory → Add → Select the location for the backup database.
   (Select File type to all file) → Ok.

c) Tick the DataDB Data and Log.

d) Under Options tabs → Click Overwrite the existing database then press ok

d) Press OK then database successfully restore