

E. WIN

For Beginner

(Revision 1.0.0_Jan10)

Learn to:

- *Become familiar with E. WIN features*
- *Troubleshoot with ease*
- *Develop techniques to deal with difficult site situations*
- *Use tools to fix all sorts of problems*

E.WIN Manual for Beginner

Table of Content

CHAPTER 1	6
1.0 INSTALLATION	6
1.1 Hardware Configuration.....	6
1.2 Software Installation	8
1.3 E.WIN License Activation.....	12
1.4 Installed E.WIN by Administrator Account and operate using User Account.....	14
CHAPTER 2	16
2.0 SETTING UP TO LINK TO A CONTROLLER	16
2.1 Create a Controller in E.WIN Designer.....	16
2.2 Connection Test between E.WIN and Controller	17
2.3 Send Date / Time in E.WIN.....	18
2.4 Pulse Door Open in E.WIN Manager.....	18
2.5 Add a Card with Full Access in E.WIN Manager	19
2.6 Change Timer / Time Zone / Access Level of Card Holder	20
2.7 Disable a Card from Accessing Any Door.....	22
2.8 Remove a Card from The System	22
CHAPTER 3	23
3.0 TERMS AND EXPLANATION	23
3.1 Controller / Sensor / Output.....	23
3.2 Timer / Time Zone / Door Accessinility	25
3.3 Floor Zone / Floor Accessibility.....	28
3.4 Anti-passback	29
3.5 Automatic Lock Release Time Zone.....	30
3.6 Automatic PIN Disable Time Zone.....	31
3.7 Transaction Code.....	31
CHAPTER 4	33
4.0 OPTIONAL FEATURES	33
4.1 Tiny Web Server	33
CHAPTER 5	39
5.0 SERIAL COMMUNICATION PORT	39
5.1 Check List of COM Ports Available.....	39
5.2 How to Test COM Port	40
5.3 How to Troubleshoot Connection from PC to Controllers.....	40
CHAPTER 6	42
6.0 LOCAL AREA NETWORK (TCP/IP)	42
6.1 How to check connection between PC and controller	42
6.2 Encrypted Mode.....	44
6.3 Bulk Command	45

CHAPTER 7	47
7.0 BORLAND DATABASE ENGINE (BDE)	47
CHAPTER 8	49
8.0 PARADOX DATABASE MANAGEMENT SYSTEM	49
8.1 How to fix Paradox database problem.....	49
8.2 Backup & Restore.....	50
8.3 Transaction Files.....	51
CHAPTER 9	53
9.0 TIME ATTENDANCE MANAGEMENT SYSTEM (CHRONOS LINK)	53
9.1 Attendance Processing.....	53
9.2 How to export transaction to Chronos.....	56
CHAPTER 10	59
10.0 E.WIN TWEAKS	59
10.1 Setting in E.WIN.ini.....	59
CHAPTER 11	66
11.0 E.WIN DESIGNER (HOW-TOS)	66
11.1 How to load a new floor plan in E.WIN Designer?.....	66
11.2 How to setup multi-buses (comm.) system?.....	67
11.3 How to interface fire alarm to unlock all doors?.....	67
11.4 How to check if a controller is up and running?.....	68
CHAPTER 12	69
12.0 E.WIN MANAGER (HOW-TOS)	69
12.1 How to change online transactions screen transparency level?.....	69
12.2 How to export transactions other than IN / OUT?.....	69
12.3 How to setup E.WIN to interface to modem linked controllers?.....	71
12.4 How to use ET636 for reading card directly into E.Win ?.....	73
12.5 How to setup MIFARE duplicate cards management using ET636 ?.....	74
CHAPTER 13	76
13.0 MICELLANEOUS (HOW-TOS)	76
13.1 How to toggle between scanning on/off?.....	76
13.2 How to integrate E.WIN to E.TIME?.....	76
13.3 How to enable E.WIN limited edition?.....	76
13.4 How to migrate from Chronos to E.Time.....	77
13.5 How to upgrade from EsofWIN.....	79
13.6 How to test a remote site linked by modem?.....	79
13.7 How to access E.Win through web browser (IE)?.....	79
CHAPTER 14	81
14.0 FREQUENT ASKED QUESTIONS	81
14.1 Why no transaction is retrieved after I cold started a controller?.....	81
14.2 Do I need license for using Chronos ? How about E.Time ?.....	81
14.3 When try to send timer to controller, error message shown on software 'timer not found in the controller'.....	81

14.4	How to turn on E.WIN debugging mode?	81
Appendixes	83
	Appendix A : Card Import Text Format (Comma Delimited)	83
	Appendix B : Transaction Export Format.....	83

PART I

GETTING STARTED

CHAPTER 1

1.0 INSTALLATION

Before you can start operate the E.WIN software, you have to make sure the software has been properly installed at your PC and the hardware has also connected properly. This section will guide you through whole installation of both software and hardware.

1.1 Hardware Configuration

There are few main components:

Controllers

E.WIN can support up to eight buses. One PC serial port can support up to 16 controllers which is consider as one bus. Thus, E.WIN software can support at total 128 controllers.

The unit number of each controller at each bus can be configured from 1 to 16; the controller won't accept the unit number value bigger than 16.

In E.WIN software, the physical number of each controller will be assigned as follow:

Bus Number	Unit Number in hardware	Physical number in software
Bus 1	1	1
	16	16
Bus 2	1	17
	16	32
Bus 3	1	33
	16	48
Bus 8	1	113
	16	128

Communicators

Communicator is the device to allow PC and controller communicates to each other. There are 3 types of communication method.

- Multidrop

It is serial communication which using 4 wires (TX+, TX-, RX+, RX-). Due to multidrop is run in 12V, so an external power must be provided to the communicator. The communicators that having multidrop communication is as follow:

1. EL70Y which support softkey2. The communicator baud rate is adjustable from 2400 and 9600.

2. EL70B which only support old softkey. Thus, EL70B is not suitable for bus1 when E.Key is needed. EL70B can be used under E.WIN Limited Mode (4 door maximum, no EsotKey2 is required) and as supplement communicators for bus 2, 3 onwards. The communicator baud rate has fixed at 2400.
3. EL70T which does not support software key. The communicator baud rate has fixed at 2400.

- RS485

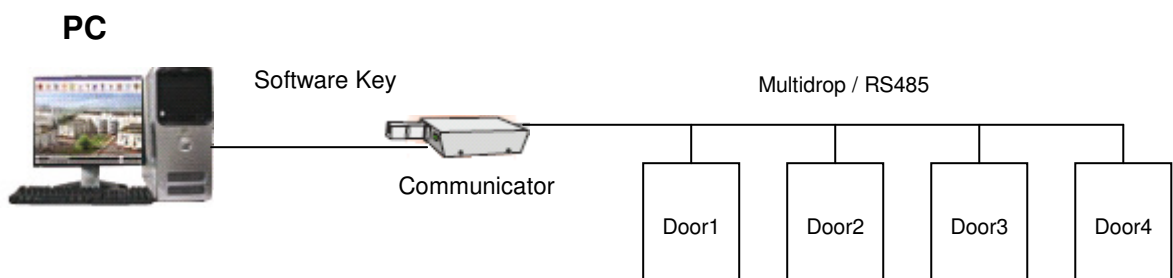
It is serial communication which using 3 wires (D+, D-, GND). RS485 is run at 5V, so no external power supply is needed. It can direct take the power from PC serial port or USB port. The communicators that having RS485 communication is as follow:

1. EL70Y which support software key. Please note that EL70Y can also support multidrop communication. But, both type of communication cannot run in the same time.
2. CV4823 which does not support software key.

- TCP/IP

By adding LAN module or terminal server, the controller allows to run in LAN environment. There are 2 type of terminal server, EL78A which using Chiyu LAN module and EL70L which using Znet LAN module. The IP configuration of both terminal servers is different. Please refer to their individual manual for the detail of setting up of IP properties.

After get ready all devices, please setup the system as below:



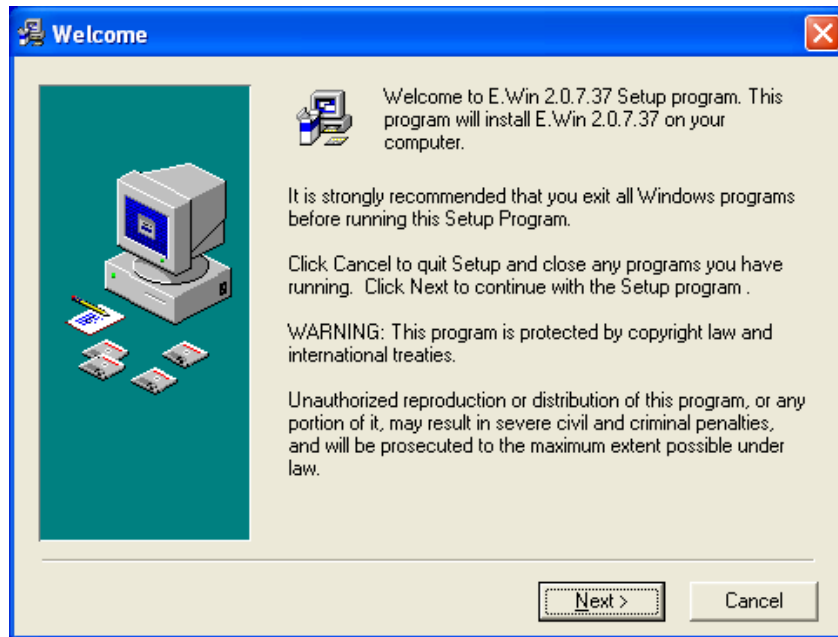
Before start to run the system, please ensure that:

1. The wiring for communication part between controller and communicator is connected properly. You may refer to the individual controller's or communicator's wiring diagram for the correct connection.
2. Each of the controllers has been cold start and assigned with an identical unit number. The unit number of the controller cannot be repeated in the same bus.
3. If you are using multidrop communication, please make sure the power of communicator has been turned on.
4. The baud rate of controller must be same as baud rate in communicator.
5. If you are using EL70Y or EL70W, please make sure the USB driver has been installed properly.

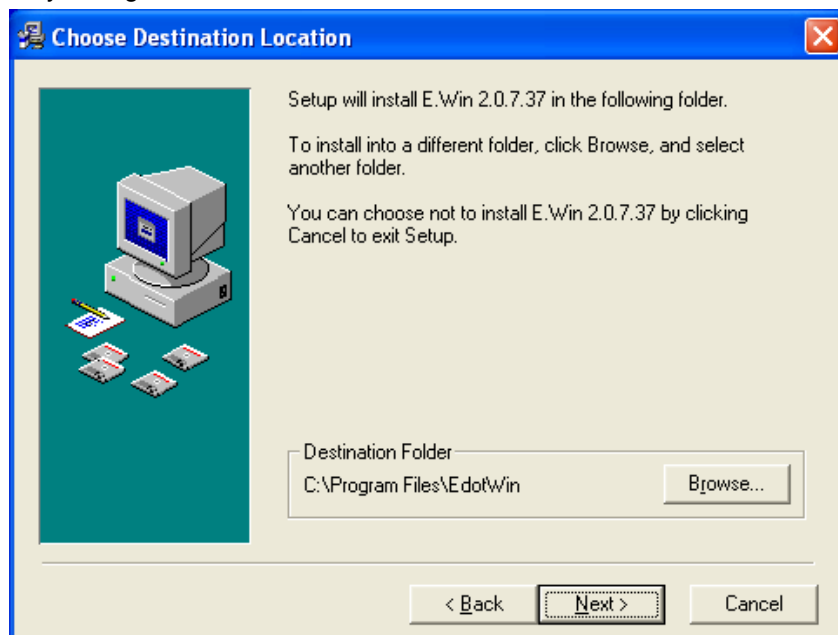
1.2 Software Installation

Insert E.WIN CD into the CD-ROM, the CD will automatically run the setup launcher if your OS support Auto play feature. To run the setup manually, browse the CD using Windows Explorer, run E.Win.exe. It is advisable to install the software under PC administrator account, especially in Window Vista or Window 7 operating system.

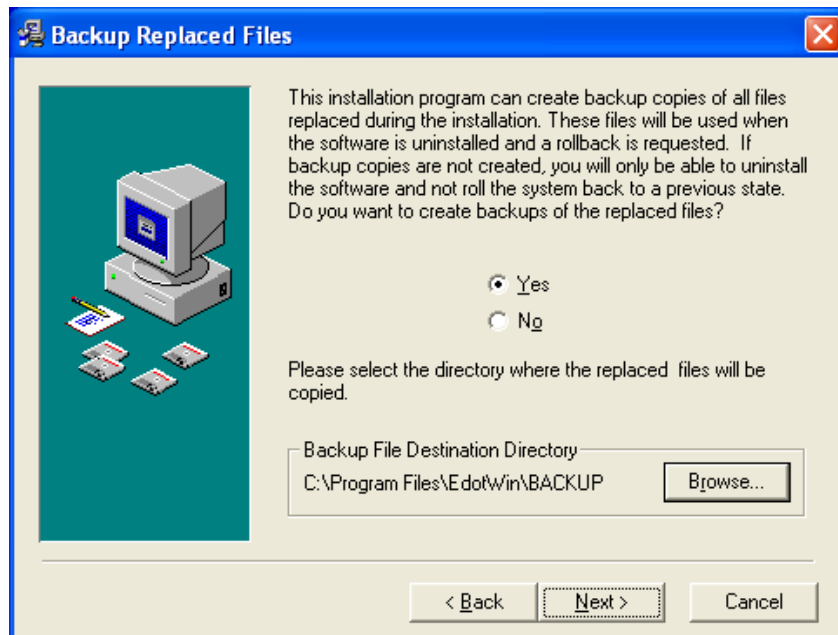
The installation will be started from a welcome screen; it will show the software version, click “Next” button to proceed.



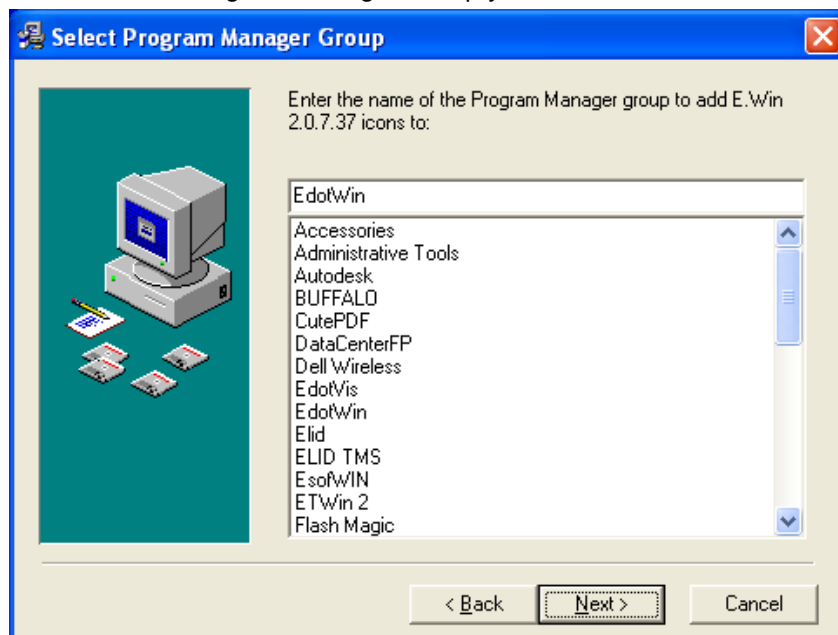
Select destination location for E.WIN folder. The default is at C:\Program Files\EdotWin, you may change the destination from the “Browse” button.



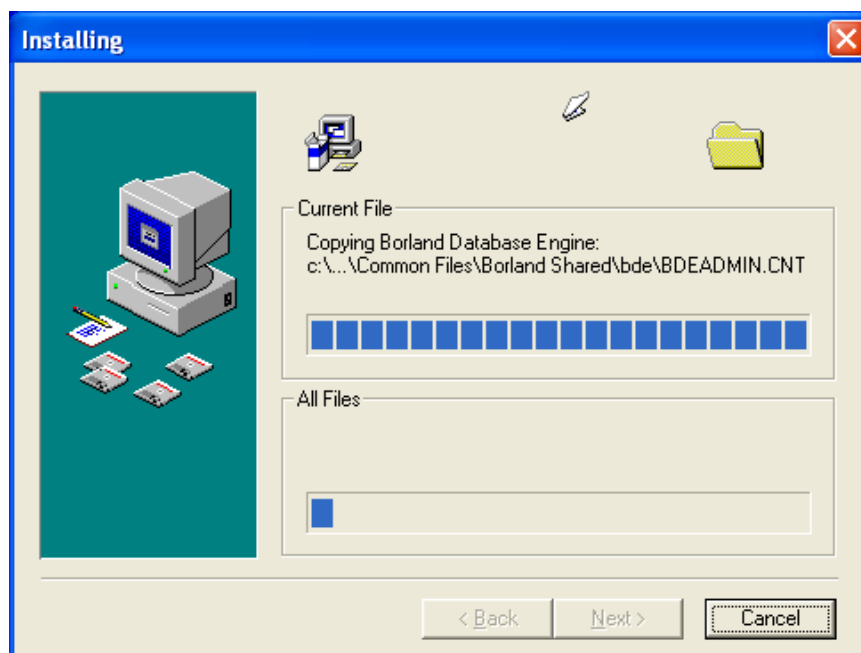
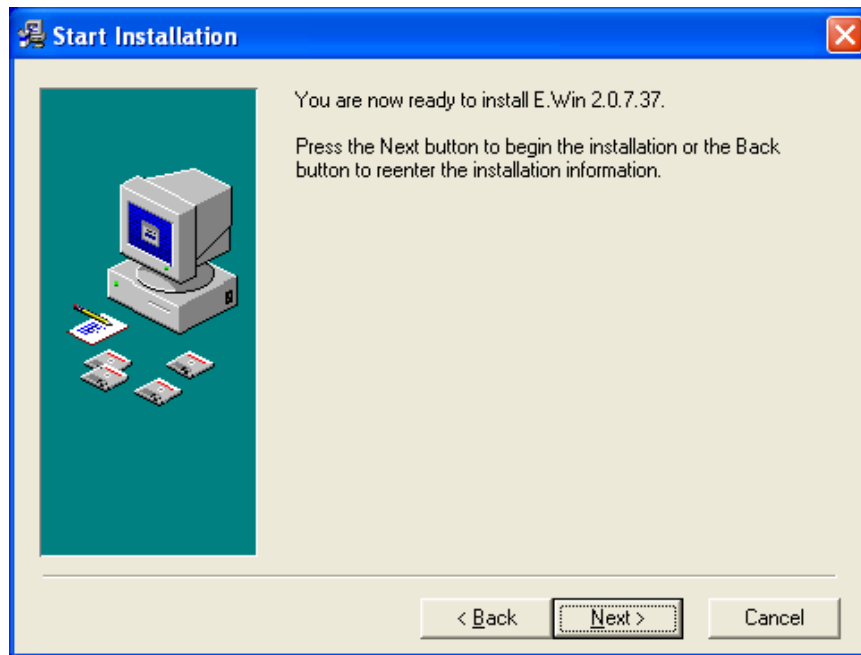
This screen will prompt you whether to install a backup copy which allow you to roll the system back to a previous state after uninstal of E.WIN. If “Yes” is selected, then you need to select the destination location for backup file.



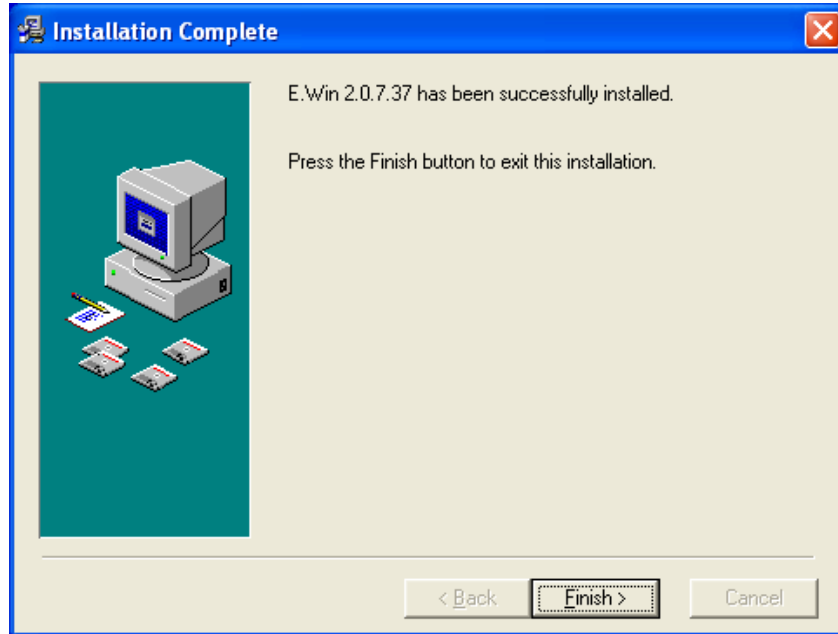
Enter name of Program Manager Group you want to add E.WIN.



Click "Next" to start installation.



After installation complete. Click at “Finish” button to exit installation setup.



If you are installing E.WIN in Vista or Window 7, there are few settings to do after installation due to User Access Control in Vista.

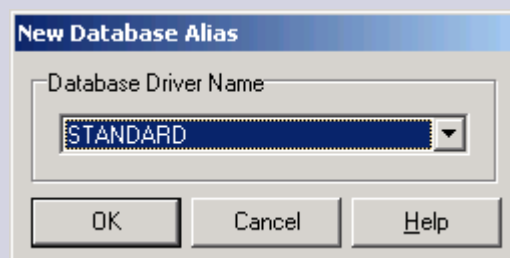
You have to set the shortcuts to have the property of “Run As Administrator” for the program run properly under vista.

1. Right click the software shortcut at desktop and point to ‘Properties’
2. On the ‘Compatibility’ tab, under ‘privilege level’ option, select the checkbox ‘Run this program as an administrator’.
3. Click “OK” to exit

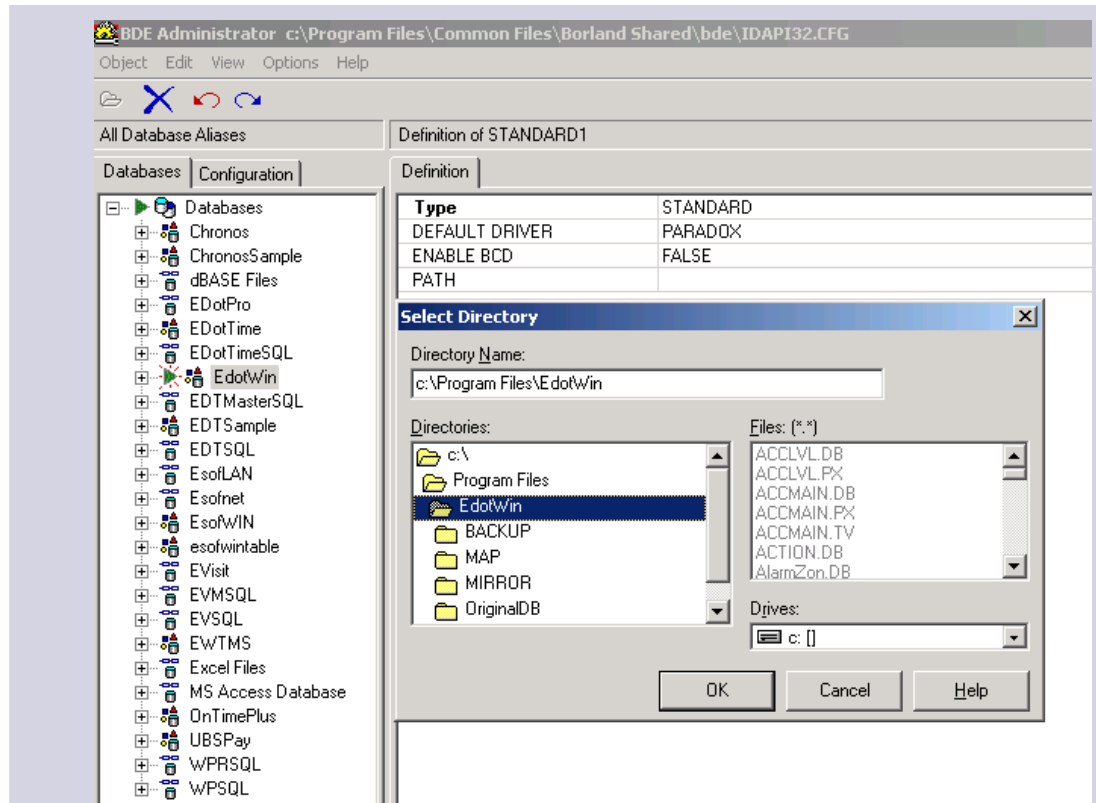
Troubleshooting

If you fail to run the software due to the BDE is not created during installation.

1. Go to the Control Panel and run the BDE Administrator.
2. On the ‘Database’ tab, point the ‘Databases’ and right click to select ‘New’
3. Under ‘Database Driver Name’, select ‘STANDARD’



4. Click at ‘path’ to select the software path.
5. Select the EdotWin folder as shown below and click ok.



If you want to edit the .ini file of the software but fail to save the file after editing in Window Vista.

1. Right click the notepad at All programs > Accessories.
2. Point to 'Properties'
3. On the 'Compatibility' tab, under 'privilege level' option, select the check box 'Run the program as an administrator'.
4. From notepad, open the .ini file for editing.

OR you can open the .ini file from command prompt (DOS) for editing.

1.3 E.WIN License Activation

Elid supply different package of E.WIN. E.WIN/0 (limited edition) does not require license key (please refer to section 13.3 on how to activate the E.WIN limited edition). E.WIN limited edition can only control at maximum 4 doors. For the system that more than 4 doors, you may need to purchase license key.

EL70Y is a communicator and also a device for license key detection. E.Key has to be inserted to EL70Y CN3.

Once you run E.WIN Designer or E.WIN Manager, the software will start to detect key.



If software fails to detect key, a message 'No Softkey Detected' will be prompted, and you can only enter into demo mode.

If the softkey detected, you may need to enter the User ID and password to access the software.

The default user ID and Password is as follow:

User ID : **ELID**

Password : **elid**

Each license key comes with a piece of paper printed with 'Activation Code'. You can activate the license at E.WIN Manager > Help > License Information.

A screenshot of the 'License Info' dialog box in E.WIN Manager. The dialog has a purple header with the text 'License Info'. Below the header, there are four input fields: 'User Name' with the value 'ELID', 'Company Name' with the value 'ELID Sales & Marketing Sdn Bhd.', 'Serial Number' with the value '12345678', and 'Customer Code' with the value '0000'. To the right of these fields are two buttons: 'Update' (with a checkmark icon) and 'Close' (with a red X icon). Below these fields is a section titled 'E.Key Information' which contains a text box with the value '64 controllers 1 clients Web Lift Modem TSvr TMS'. Underneath this section are two more input fields: 'E.Key Serial Number' with the value '2KK32-B4S5Q-HKD3X-SKSH4' and 'E.Key Activation Code' which is empty. To the right of the 'E.Key Serial Number' field is an 'Upgrade' button.

The E.Key information and serial number will be read and display at the screen. Key in the activation code and click upgrade button to activate it.

Troubleshooting Tips:

1. Please make sure the key is inserted properly.
2. Check whether the key is for E.WIN software, it might be wrong key inserted.

1.4 Installed E.WIN by Administrator Account and operate using User Account

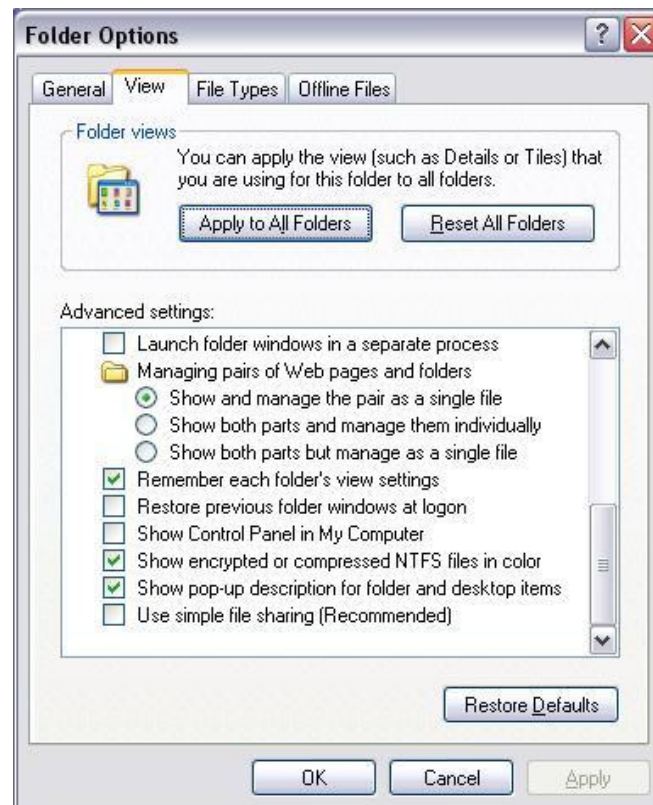
If you install the E.WIN software by administrator account and you would like to allow other user account from the same PC to operate the software, you have to do the following step:

1. Turn off the 'Simple File Sharing from 'Folder Option' before you can access the security of the folder

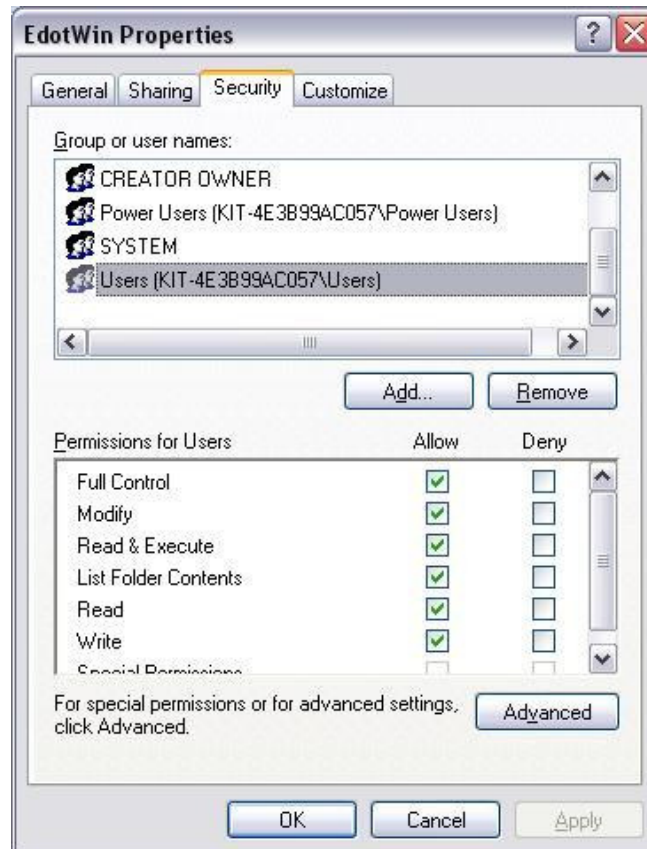
At My Computer Tools menu, click 'Folder Options'.

Select the View tab.

In the Advanced Settings section, clear the 'Use Simple File Sharing (Recommended)' check box.



2. Right mouse click at C:\Program Files\EdotWin folder and select 'Properties'
3. Click at Security tab, then set Read / Write rights for that user.



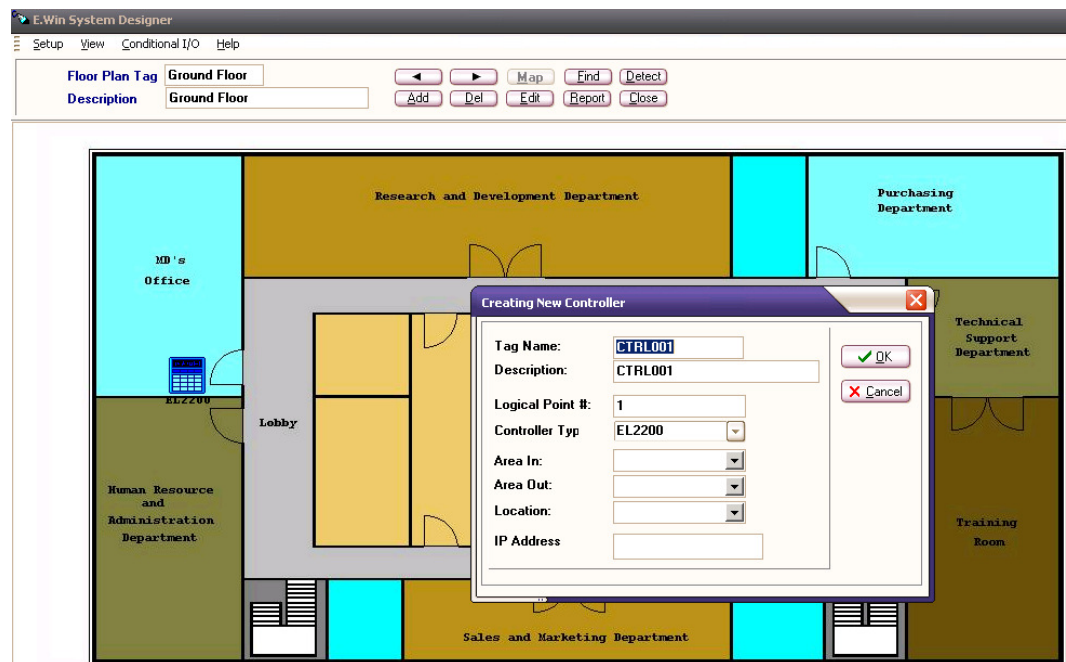
CHAPTER 2

2.0 SETTING UP TO LINK TO A CONTROLLER

2.1 Create a Controller in E.WIN Designer

Before you can start to operate the system, you should create the system controller first.

Click on the Designer shortcut on the desktop to launch E.WIN Designer.



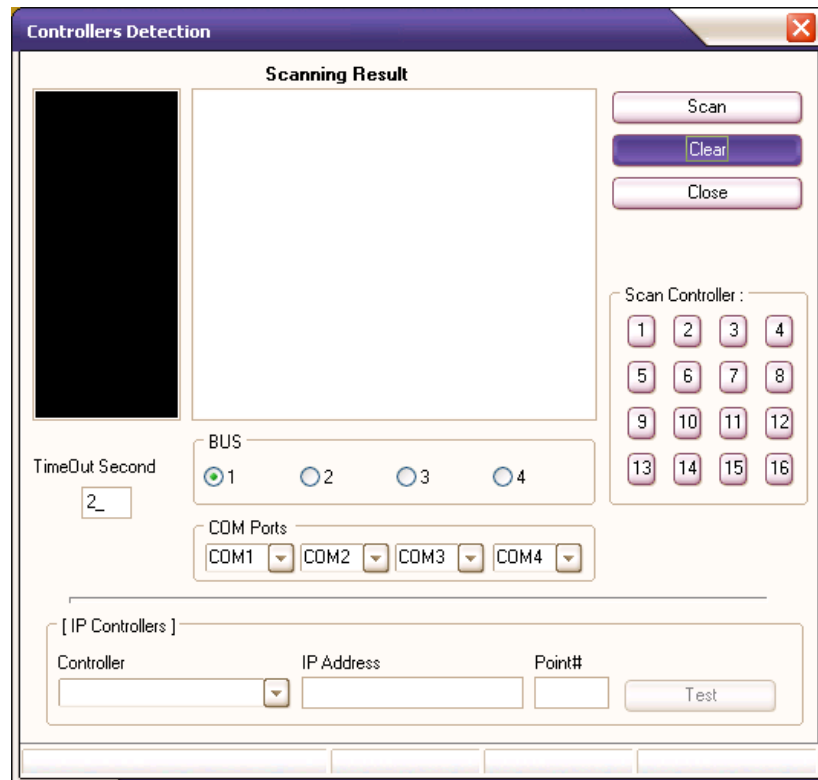
1. Right mouse click at E.WIN Designer screen, and select 'New Controller', or go to Setup > New Controller
2. Enter the Tag Name and Description of the controller.
3. Enter the physical point of the controller, such as 1, 2, 3 and etc.
Bus 1 (1 – 16), Bus 2 (17 – 32), Bus 3 (33 – 48), Bus 4 (49 – 64)
For example, the logical point of the controller unit number 3 of Bus 2 should be '19'.
4. Select the controller type. For 2-door controller, xxxx**A** represent first door and xxxx**B** represent second door.
5. If you are using LAN communication, you may enter the IP address to define the controller.
6. Once you click 'OK', a controller icon will appear on the floor plan, you can drag the icon to the desired position.

2.2 Connection Test between E.WIN and Controller

Once you have successfully setup the system, you can now test the connection of each controller to the software by using <Detect Controller> feature at E.WIN Designer.



Click the 'Detect' button at the top panel of E.WIN Designer, screen below will be shown:



Serial Communication

1. Enter the COM port number for each bus.
2. Select which bus to detect.
3. Click scan button, all the detected controllers will be listed down on the scanning result screen. The controller will reply with the controller model and also firmware version, otherwise it will show no reply.

LAN Communication

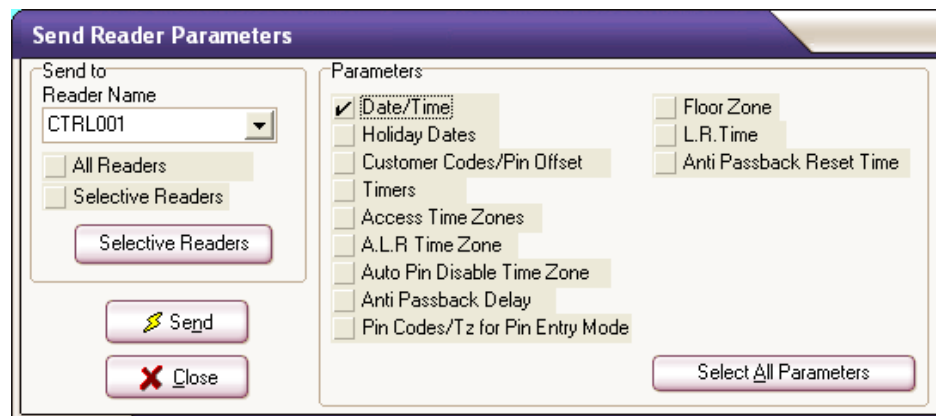
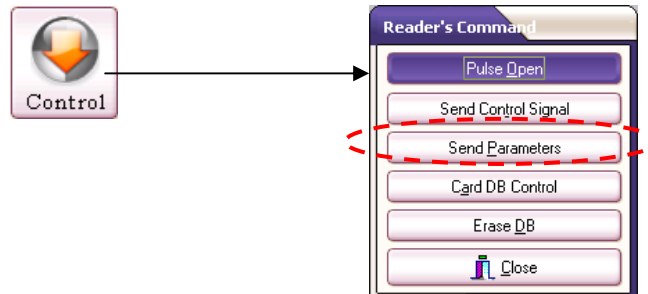
1. Select the controller to be detected from the drop down list.
2. The IP address and the logical point number of the relevant controller will be displayed.
3. Click 'Test' button to check its connection, the status of the controller will be shown on the scanning result screen.

2.3 Send Date / Time in E.WIN

Exit E.WIN Designer, then click E.WIN Manager icon on the desktop to launch E.WIN Manager. Your first task is to setup all the controllers to have same date/time with the PC.

This function is for you to synchronize all controllers' date / time to system date / time.

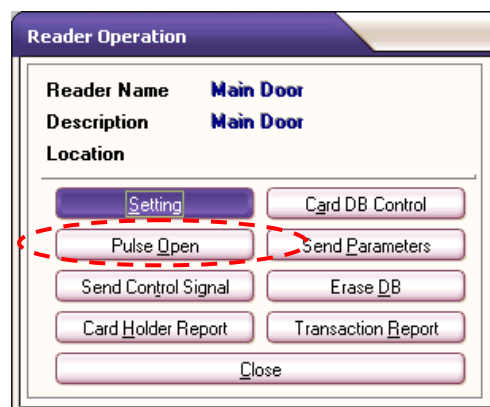
1. Click 'Control' button, then select 'Send Parameter'.



2. Select which controller to send, you can send to only one controller, all controllers or selective controllers.
3. Tick at 'Date/Time' checkbox.
4. Click 'Send', a message 'Successful' shall be appeared if it is successfully sent.

2.4 Pulse Door Open in E.WIN Manager

1. Right mouse click at the controller icon, then select 'Pulse Door Open'. Alternatively, you can also double click at the controller icon and select 'Pulse Door Open'



- The particular door will be unlocked for few second. Please observe the change of controller icon to indicate the door status.

Troubleshooting:

What to do if the door unable to unlock after 'Pulse Door Open' signal send successfully.

- Check whether the door sensor is connected properly. If the door sensor is in open status, door lock won't release.
- To confirm whether the door sensor is in good condition, try to bypass the door sensor by short the +12V and DS point on the controller's door connector by using a short wire, then send 'Pulse Door Open' Signal again.

2.5 Add a Card with Full Access in E.WIN Manager

- Click 'Cards' button.



- Click 'Add' button for new entry.
- Enter 'Staff No', 'Card No.', 'Staff Name' and 'Card's start and expiry date'.
- Select the 'Door Accessibility' as 'Acc All', 'Department' and 'Position'. The 'Floor Accessibility' is only valid for lift controller.
- Click 'Update' button to send card to controller.

The screenshot shows the 'Card Holders' application window. The menu bar includes Setup, View, Control, Database, Report, Utilities, and Help. The toolbar contains icons for Off Alarm, Control, Access, T.Zone, Timer, Report, Cards, Sensor, Output, Photo, Attendance, Help, and Exit. The main area is titled 'Card Holder DB' and contains a form with the following fields:

Staff #	Card #	Pin #	Name	Start (dd/mm/yyyy)	Expired
A0001	034123	0000	John	01/01/2010	31/12/2012

Below the form are dropdown menus for 'Dgor Accessibility' (set to 'Acc All'), 'Floor Accessibility', 'Department' (set to 'Marketing'), and 'Position' (set to 'Executive'). There is also a 'Newest Location Information' section with 'Area' set to 'Not Found' and a 'Transaction' field.

A data table below the form shows the following entry:

Staff Number	Card Number	Name	Door Accessibility	Floor Accessibility	Department	Position	Starting Date	Expiry Date
A0001	034123	John	Acc All		Marketing	Executive	01/01/2010	

The bottom status bar shows 'E.Win Scanning Off', 'E.WIN Access Control Management System', and the time '16:39:50 Tue 12 Jan 2010'.

2.6 Change Timer / Time Zone / Access Level of Card Holder

You can control door accessibility of a card holder by using timer, time zone and access level. The example below will interpret the relation between timer, time zone and also access level. Please refer to section 3.2 for the detailed explanation.

Example

Consider a small factory with 2 doors to be protected by card access, main door and store room.

- Factory Manger can access main door at anytime and store at office hour.
- Store keeper can access main door and store at office hour.
- Factory operator can only access main door at office hour

Office hour: Monday to Friday (8:00 to 18:00)

Saturday (8:00 to 12:00)

1. Define a new timer for normal day office hour (TMR3)
2. Define a new timer for half day office hour (TMR4)

Timer Name	Start #1	End #1	Start #2	End #2
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00
TMR3	08:00	18:00	00:00	00:00
TMR4	08:00	12:00	00:00	00:00

3. Define new time zone for office hour (TZ3)

Day	Timer Tag	Timer Detail
Sunday	No Entry	00:00 to 00:00 , 00:00 to 00:00
Monday	TMR3	08:00 to 18:00 , 00:00 to 00:00
Tuesday	TMR3	08:00 to 18:00 , 00:00 to 00:00
Wednesday	TMR3	08:00 to 18:00 , 00:00 to 00:00
Thursday	TMR3	08:00 to 18:00 , 00:00 to 00:00
Friday	TMR3	08:00 to 18:00 , 00:00 to 00:00
Saturday	TMR4	08:00 to 12:00 , 00:00 to 00:00
Holiday	No Entry	00:00 to 00:00 , 00:00 to 00:00

- Define access level for Factory Manger, Store Keeper and also Factory operator.

Accessibility

Accessibility Category Name

Accessibility

Reader	Acc	Time Zone	A
Main Door	Free Acc		F
Store	TZ3		F

This Reader Accessibility

Reader Name

Time Zone

Accessibility

Accessibility Category Name

Accessibility

Reader	Acc	Time Zone	A
Main Door	TZ3		S
Store	TZ3		S

This Reader Accessibility

Reader Name

Time Zone

Accessibility

Accessibility Category Name

Accessibility

Reader	Acc	Time Zone	A
Main Door	TZ3		F
Store	No Acc		F

This Reader Accessibility

Reader Name

Time Zone

- Change the 'Door Accessibility' of the particular card holder.

Card Holder DB

Staff #	Card #	Pin #	Name	Start (dd/mm/yyyy)	Expired
A0001	012700	0000	a	13/01/2010	31/12/2051

Door Accessibility:
 Floor Accessibility:

Department:
 Position:

Newest Location Information Area:

Staff Number	Card Number	Name	Door Accessibility	Floor Accessibility	Department	Position	Starting Date	Expiry Date
A0001	012700	a	Acc All	No Acc	Marketing	Executive	13/01/2010	31/12/2051
A0002	012701	b	Acc All	No Acc	Marketing	Executive	01/01/2010	31/12/2010
A0003	012702	c	Acc All	No Acc	Marketing	Executive	01/01/2010	31/12/2010

2.7 Disable a Card from Accessing Any Door

You can disable a card from accessing any door by edit the 'door accessibility' of the particular card to 'No Acc' (No Access).

1. Select the card to be disabled from the card database.
2. Edit the 'Door Accessibility' to 'No Acc'.
3. Click 'update' to save the change to the E.WIN database and send the latest door accessibility to all controllers.

2.8 Remove a Card from The System

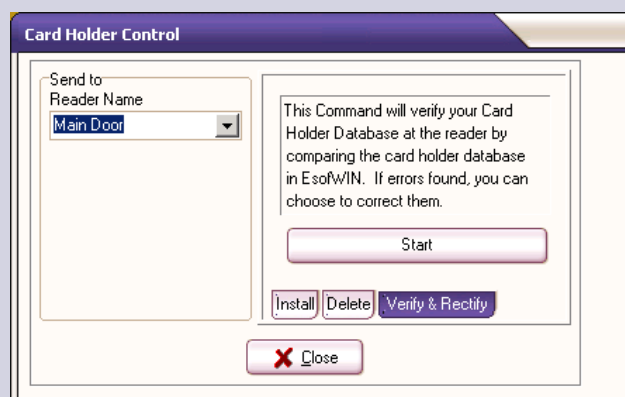
1. Select the card to be removed from the card database.
2. Click delete button to remove the particular card from the E.WIN card database and also remove from the controller's card database.

Troubleshooting:

What to do if you have disable a card from accessing a particular door or removed the card from the card database, but the card still able to gain access?

You can use 'Verify & Rectify' function to check the differences between card holder stored in the controller and E.WIN database.

1. Click at 'Control' button and select 'Card DB Control'
2. Select 'Verify and Rectify' tab



Choose the reader to be compared and click 'Start' button.

CHAPTER 3

3.0 TERMS AND EXPLANATION

3.1 Controller / Sensor / Output

Controller

Controller is the main device to control the door activity. ELID provide various range of controller which is supported by E.WIN.

- EL3xx Series (such as EL360 and EL370)
- EL13xx Series (such as EL1300, EL1310 and EL1330)
- EL22xx Series (such as EL2200, EL2205, EL2205L and FC1205)
- EL23xx Series (Such as EL2308 two doors controller)
- EL2800 four doors controller
- EL3000 Series (Biometrics, fingerprint controller)

Sensor

Most of the **ELID** Controllers provide Input Points which used to record that something is present or that there are changes in something. Please refer to the User Manual of the Controllers you are using to make sure the number of provided Input Points.

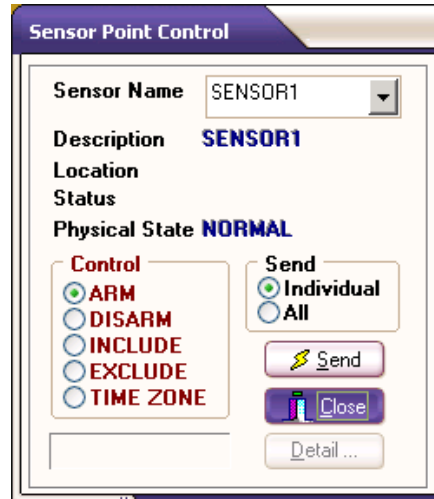
Sensor points can be configured as either “**Status**” or “**Alarm**”.

A **Status Point** is one that merely monitors the state of input, usually a contact of open or close.

An **Alarm Point** is one whose activation must raise alert to the system operator, for instance, a door being ‘forced open’. For such kind of points, **E.WIN** provides arming and disarming commands. When a point is disarmed, it means that it is not in use, and should not be expected to raise any alarm.

How to operate a sensor at E.WIN

1. Define a sensor point from E.WIN Designer. Please select the operation mode of the sensor, either status or alarm and to which controller the sensor attach to.
2. You can arm or disarm an Alarm Sensor manually by pointing the cursor to the sensor icon and double click. You can also include or exclude a Status Sensor.



3. Alternatively, sensor arming can be control by time zone. Select sensor from database menu and choose an appropriate 'Arming Time Zone' from the drop down list.

Sensor DB	
Sensor Name	SENSOR1
Description	SENSOR1
Logical Point #	1
Operating Mode	Alarm
State	NORMAL
Attached to Reader	Main Door
Sensor Point #	1
ON Text	ON
OFF Text	OFF
Arming Time Zone	No Acc

Output

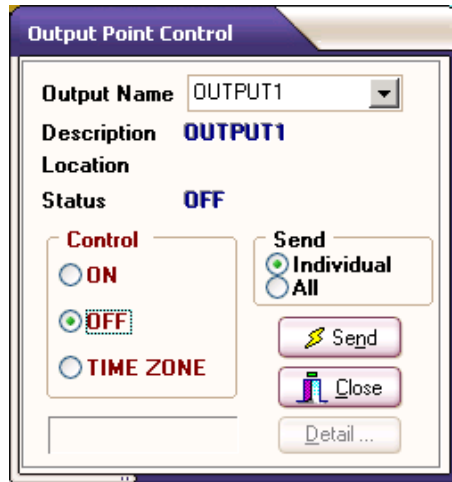
Most of **ELID** Controllers provide Output Points. Please refer to the User Manual of the Controllers for the number of outputs provided.

These points may be set at the Controller (not at **E.WIN**) to function in the following manner.

- I. To be switched ON/OFF manually from a PC or locally from a Special Card or Master Card.
- II. To be switched ON/OFF automatically by a timer.
- III. To be switched ON/OFF automatically by certain input conditions (EL2xxx only).
For EL2xxx, it is possible to activate the output with a pulse of defined on period.
However, all these settings are done at individual readers and not at **E.WIN**.

How to operate an output at E.WIN

1. Define an output point from E.WIN Designer.
2. You can on and off the output manually by double clicking at the output icon.



3. Alternatively, the output can be controlled automatically by using time zone. Select Outputs from database menu then choose an appropriate time zone.

Output DB			
Output Name	OUTPUT1	Attached to Reader	Main Door
Description	OUTPUT1	Output Point #	1
Logical Point #	1	ON Text	ON
State	OFF	OFF Text	OFF
Activation Time Zone	No Acc	Details ..	

3.2 Timer / Time Zone / Door Accessinility

Door accessibility allows proper control of who, when and which doors are granted access. For example, you can set door accessibility Office_Hour such that the staff can enter Main Door and Back Door from 8am to 6pm, for Monday till Friday, while blocking them on Saturday, Sunday and Holiday.

Timer is the time range that you can assign to the time zones, so that each particular day in the time zone can be assign with a set of a time range. Timer would be the time each particular card can be access a door in a day. Timer format defined is a 24 hour format.

Door Accessibility holds particular controller and Time Zone that specific cardholders are allowed with access. This is useful in managing sites or areas (installed with individual controller) of restricted access.

How to add a new Timer

Example: add one set of working period timer.

IN: 08:30

LUNCH OUT: 12:30

LUNCH IN: 13:30

OUT: 17:30

1. To add a new timer, click at Add button
2. Key in the name to represent the timer
3. Key in Start Time #1 (08:30)
4. Key in End Time #1 (12:30)
5. Key in Start Time # 2 (13:30)
6. Key in End Time #2 (17:30)
7. Click update button to update the Timers database

1. Click 'Add' button to add

7. Click 'Update' button to update

Click 'Cancel' button to abort

Timer Name	Start #1	End #1	Start #2	End #2
* Set Time # 1	08:30	12:30	13:30	17:30
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00

2. Key in Timer

3 & 4. Key in Start time

5 & 6. Key in Start

How to add a new Time Zone

1. Click Add button.
2. Enter time zone name in the field labeled "**Time Zone Name**".
3. Move to the "**Timer Tag**" field for **Sunday** and enter the timer by selection from the drop-down list box. System automatically updates the rest of the days' Timers. (Re-select at one of day's Timer list box if the auto-change is not what you intended.)
4. Click Update to save record.

1. Click to add
Time Zone

2. Insert Time
Zone name

3. Click to browse
Timer setting

4. Click update
to save record

Day	Timer Tag	Timer Detail
Sunday	No Entry	00:00 to 00:00 , 00:00 to 00:00
Monday	Set Time #1	08:30 to 12:00 , 13:00 to 17:30
Tuesday	Set Time #1	08:30 to 12:00 , 13:00 to 17:30
Wednesday	Set Time #1	08:30 to 12:00 , 13:00 to 17:30
Thursday	Set Time #1	08:30 to 12:00 , 13:00 to 17:30
Friday	Set Time #3	08:00 to 12:00 , 13:00 to 17:00
Saturday	No Entry	00:00 to 00:00 , 00:00 to 00:00
Holiday	No Entry	00:00 to 00:00 , 00:00 to 00:00

How to add a new Door Accessibility

1. Click 'New' button.
2. Insert Accessibility Category Name under New Accessibility screen.
3. Click Update button (New Accessibility Screen).
4. Select reader name under Reader Name list.
5. Select time zone under Time Zone list.
6. Click Save button to save into database.

1. Click New

2. Insert Access

Reader	Acc Time Zone
Main Door	TZ4

4. Browse and select

Click here to see detail

5. Browse and

Click here to see detail about

3. Click update

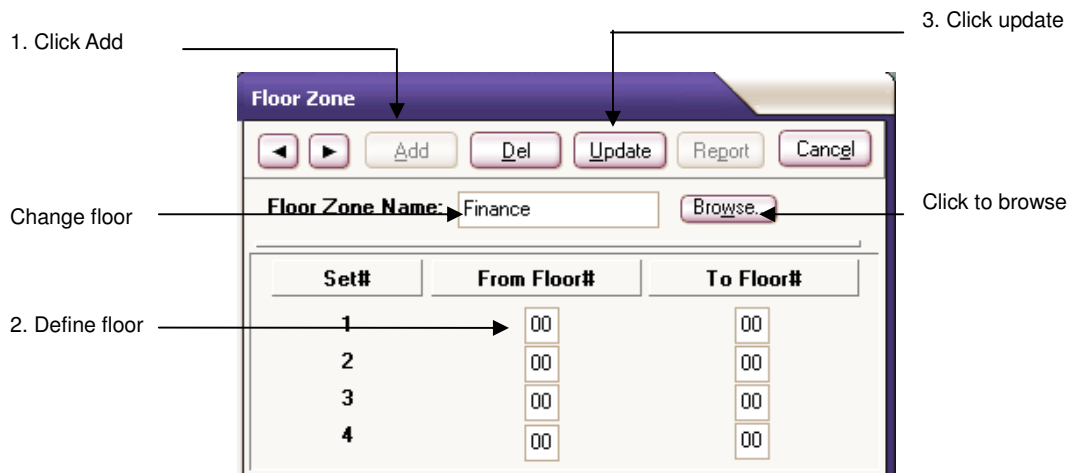
3.3 Floor Zone / Floor Accessibility

Floor Zoning is applied only to lift access controllers, and that the traffic of access is low. It is used for restricting cardholders to accessing designated floors. System handles up to 64 floors.

Floor Accessibility determines which controller and Floor Zone, a cardholder is allowed accessing. So, the physical mounting of controllers are directly associated to the servicing of particular floors' accesses (or floor zone). This means that a controller (reader) mounted on the 2nd floor of a building cannot possibly be assigned with floor zone(s) that covers floors 8 and 10. If your building has multiple lifts (and each covers certain floors), you may then enforce this by limiting cardholders to gain access only to certain lift.

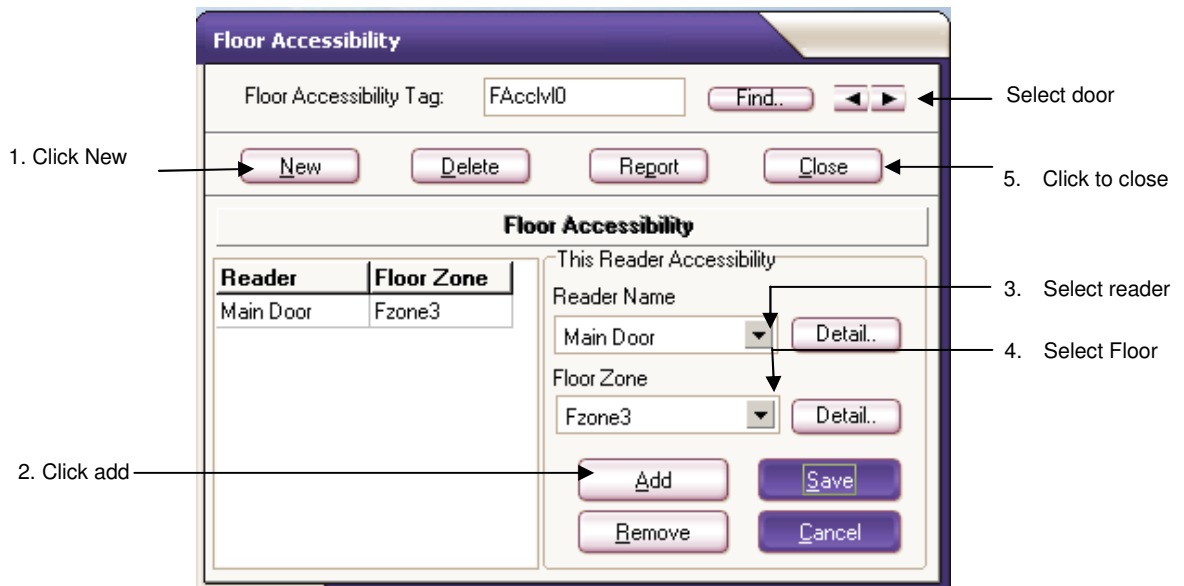
How to add a new Floor Zone

1. Click Add button (Floor Zone name automatically generate)
2. Define floor that can be gained access into
3. Click Update to store data



How to add a new Floor Accessibility

1. Click "New" button.
2. Insert Accessibility Category Name under New Accessibility screen.
3. Click "Update" button (New Accessibility Screen).
4. Click "Add" button to add reader and floor zone
5. Select reader name under Reader Name list.
6. Select Floor Zone under Floor Zone list.
7. Click "Close" to save the new floor accessibility and close the window.



3.4 Anti-passback

Anti-passback command is to restrict a card holder from multiple entries without badge for exit or vice versa. It is commonly use at car park system. When anti-passback turns on, card holder must follow the sequence of IN...OUT...IN...OUT; otherwise, it will cause anti-passback alarm and the card holder will be blocked from accesing the door/gate. Careless user can be blocked outside should he followed someone else into the office, instead of badging his own card to get in.

There are 4 selections for anti-passback:

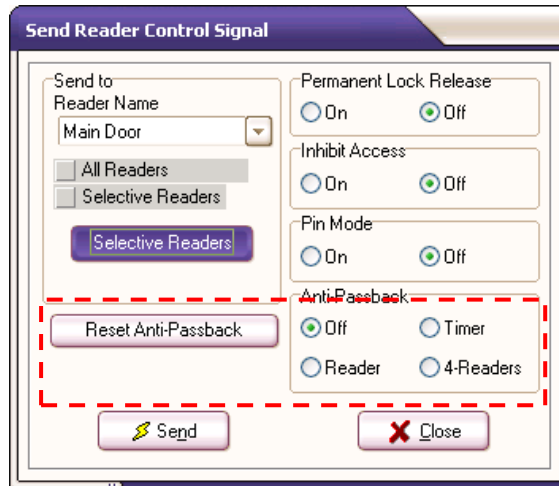
- Off : Disable anti-passback.
- Reader : Makes use of the IN and OUT reader. A Card Holder who has come "in" is not allowed to come "in" again until he has gone "out". Similarly, a Card Holder that has gone "out" is not allowed to go "out" again unless he has come "in".
- Timer : Anti-Passback is time controlled. A card can be badge in at second time only after a certain period of time has elapsed, unless you have badge out within the delay time. The delay time can be set at 'Anti-passback Delay' (The time delay is limited to 120 minutes)
- 4-Reader : This command is only applicable to 2-door controller, such as EL2308.

How to set Anti-passback

1. At E.WIN manager, click 'Control' button.
2. Select 'Send Control Signal'
3. Select the 'Reader Name' to send and the type of anti-passback, then click 'Send' button. You can also reset the anti-passback by click the 'Reset Anti-passback' button.

Note:

Installing a card will reset the anti-passback status of the card.



How to set Anti-passback Delay

1. At E.WIN Manager, go to Database > Controllers
2. Choose the reader database to be edited and key in the desired 'Anti-passback Delay' value.

Reader DB						
Reader Name	Main Door	Logical Point #	1			
Controller Type	EL2200	Location Code				
Description	Main Door					
Pin Offset	000					
Auto Lock Release TZ	No Acc	Details..				
Auto Pin Disabled TZ	No Acc	Details..				
Anti-PassBack Delay	000	Lock Release Time	05	seconds		
Anti-Passback Reset Time	00:00					
Name	Logical Point #	Controller Type	Description	Location	State	IP Address
Main Door	1	EL2200	Main Door		DOWN	128.100.001.003
Store	2	EL2200	Store		NORMAL	

3.5 Automatic Lock Release Time Zone

This command allows the electric lock of a door to be automatically released for access without the need for a user to badge/swipe a card. The release is to be controlled by Time Zone.

One scenario is during office hour, you may not want the staff to badge cards, especially when you have many staffs that are moving around frequently.

How to set Automatic Lock Release Time Zone

1. Define the time period for automatic lock release. For example, every Monday to Friday from 9:00 to 17:00.
2. Create a timer for 9:00 to 17:00. (e.g. TMR5)
3. Create a Time Zone (e.g. TZ4) which using TMR5 (9:00 – 17:00) from Monday to Friday.
4. At E.WIN Manager, go to Database > Controller, from 'Auto Lock Release TZ' drop-down list, selects 'TZ4'.

Reader DB

Reader Name	Main Door	Logical Point #	1
Controller Type	EL2200	Location Code	
Description	Main Door		

Pin Offset	<input type="text" value="000"/>
Auto Lock Release TZ	No Acc <input type="button" value="Details..."/>
Auto Pin Disabled TZ	No Acc <input type="button" value="Details..."/>
Anti-PassBack Delay	<input type="text" value="000"/>
Anti-Passback Reset Time	<input type="text" value="00:00"/>
Lock Release Time	05 seconds

Name	Logical Point #	Controller Type	Description	Location	State	IP Address
Main Door	1	EL2200	Main Door		DOWN	128.100.001.003
Store	2	EL2200	Store		NORMAL	

3.6 Automatic PIN Disable Time Zone

This command allows the reader (controller) access condition to be automatically switched from (Card and PIN) mode to (Card only) mode according to intended time zone.

How to set Automatic PIN Disable Time Zone

1. Define the time period for automatic PIN disable. For example, every Monday to Friday from 9:00 to 12:00 and 13:00 to 17:00.
2. Create a timer for 9:00 to 12:00 and 13:00 to 17:00. (e.g. TMR6)

Timer Name	Start #1	End #1	Start #2	End #2
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00
TMR3	08:00	18:00	00:00	00:00
TMR4	08:00	12:00	00:00	00:00
TMR5	09:00	17:00	00:00	00:00
TMR6	09:00	12:00	13:00	17:00

3. Create a Time Zone (e.g. TZ5) which using TMR6 from Monday to Friday.
4. At E.WIN Manager, go to Database > Controller, from 'Auto Pin Disabled TZ' drop-down list, selects 'TZ5'.

3.7 Transaction Code

Transaction codes refer to one character code used to identify type of transactions occur at the controllers. For instance, '0' for 'Valid Entry', '1' for 'Invalid Card'. Under normal circumstances, you can ignore the codes since in E.WIN screen, the codes are always displayed with descriptions.

Transaction Code	Description	Transaction Code	Description
0	Valid Entry	F	Output Off
1	Invalid Entry	G	Exclude Sensor
2	Duress Alarm	H	Include Sensor
3	Wrong Pin	I	Status On
4	Door Open Alarm	J	Status Off
5	Pulse Door Open	K	Door Closed
6	Wrong Customer Code	L	Keypad Locked
7	Wrong Time Zone	M	Sensor Alarm #2
8	Anti-Passback Alarm	N	Status On #2
9	Valid Exit	O	Status Off #2
A	Sensor Alarm	P	Sensor Isolation #2
B	Sensor Isolation	Q	Sensor Arming #2
C	Sensor Arming	Y	Controller Up
D	Door Left Open Alarm	X	Controller Down
E	Output On		

CHAPTER 4

4.0 OPTIONAL FEATURES

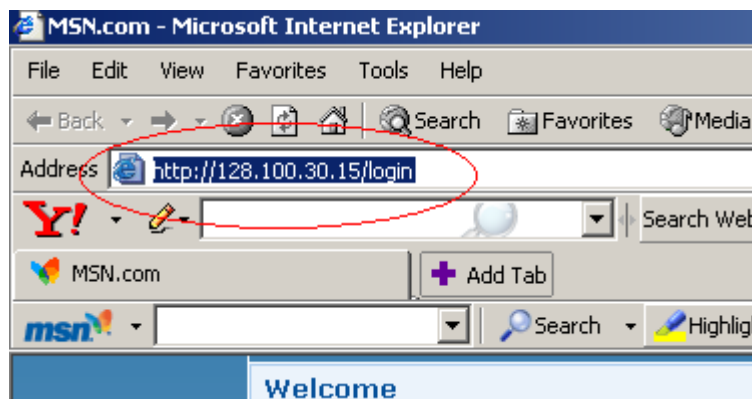
4.1 Tiny Web Server

Tiny Web Server is an optional module of E.WIN. If you have purchase the license of tiny web server, you can view cardholder database, transaction, timers, time zones, online transactions and etc from a web browser such as Internet Explorer or FireFox.

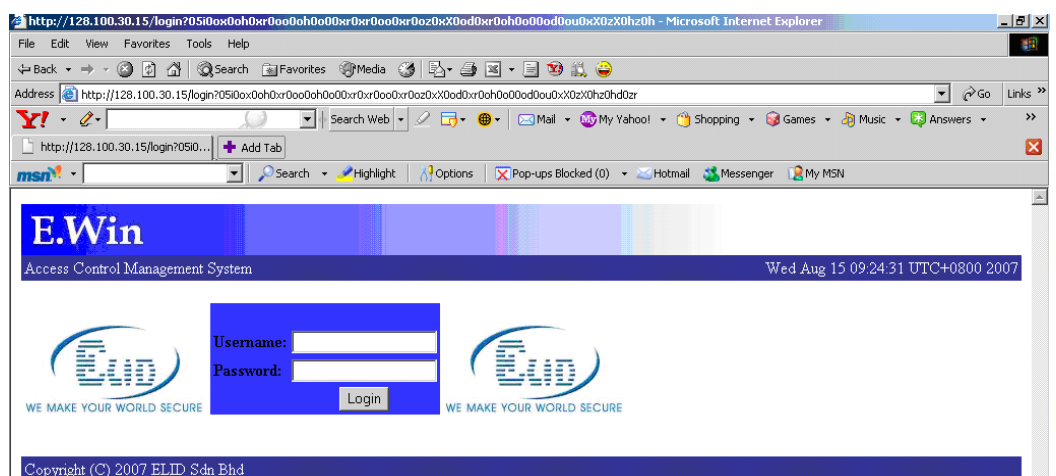
By default, the Tiny Web Server is off. You can enable Tiny Web Server from E.WIN Manager. Go to Setup > Preference, enable the Web Server by check the Web Server checkbox.

How to access to E.WIN data by web browser

1. Point your web browser from any PC to the PC which run E.WIN. For example, the PC running E.WIN holds IP address 128.100.30.15. So the URL should be <http://128.100.30.15>



2. Enter the Login ID and Password of E.WIN. (By default is 'ELID' for both ID and password)



3. Choose the report type that you want to view from web browser. The report type for viewing is limited to

- Card Holder
- System Configuration (Controllers, Timers, Time Zone, Access Level)
- Transaction
- Attendance
- Online Transaction

Card Holder Report

The card holder report can be viewed by following option:

- Order by Name
- Order by Staff Number
- Order by Department
- Display Photos

This is an example of Card Holder report

Staff number	Card number	Staff Name	Department	Position	Access level	Floor access
T000003937	039379	-Available-	Not Available	Not Available	No Acc	No Acc
T000003832	038325	-Available-	Not Available	Not Available	No Acc	No Acc
T000003308	033082	-Available-	Not Available	Not Available	No Acc	No Acc
T000003108	031082	-Available-	Not Available	Not Available	No Acc	No Acc
T000002124	021249	-Available-	Not Available	Not Available	No Acc	No Acc
T000001691	016918	-Available-	Not Available	Not Available	No Acc	No Acc
T000001101	011012	-Available-	Not Available	Not Available	No Acc	No Acc
T000001123	011231	-Available-	Not Available	Not Available	No Acc	No Acc
000070	014867	Alagu Sundari A/P	Production	Not Available	MFG2	No Acc
0V0014	016692	Anbalan - Savvy Offi	Not Available	Not Available	VISITOR	No Acc
000016	032690	Ang yew Png (Christ	MMD	Not Available	MFG4	No Acc
000385	015652	Arman Ali Bin Ammar	Manufacturing	Not Available	MFG2	No Acc
000410	034411	Azlin Buni Abdul Ra	DPD	Not Available	SLS3	No Acc
000407	039894	Baharuddin Bin Mond	DPD	Executive	SLS1	No Acc
000144	008986	Bakhtar Bin Bakhtri	CSSD	Not Available	CSSD3	No Acc
0T0001	020769	Ben Li - China	Not Available	Not Available	MGT_A19	No Acc
A000037231	037231	Bill Gates	Not Available	Not Available	Acc All	No Acc
000237	031287	Chay Yuen Meng	ENG-Tech	Not Available	MGT_A03	No Acc

System Configuration Report

System configuration consists of following report:

- Controller List

Device Name	Description	Type	Logical Point	Location	In Area	Out Area
CTRL1	CTRL1	EL1300	5			
DPD	DPD	EL1300	1			

- Door Accessibility

Access Tag	Device Name	Access Time Zone
AC1	DPD	No Acc
AC2	DPD	No Acc
AUDITOR	DPD	No Acc
Acc All	CTRL1	Free Acc
Acc All	DPD	Free Acc
CLEANER	DPD	OFFICE
CONSULT	DPD	Free Acc
CSSD1	DPD	No Acc
CSSD2	DPD	No Acc
CSSD3	DPD	No Acc
ENG	DPD	OFFICE
ENG1	DPD	OFFICE
HOD1	DPD	Free Acc
HOD2	DPD	Free Acc
HOD3	DPD	Free Acc
MFG1	DPD	No Acc
MFG2	DPD	No Acc
MFG3	DPD	No Acc

- Time Zones

Time Zone Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Holiday
6TO22	6TO10	6TO10	6TO10	6TO10	6TO10	6TO10	6TO10	6TO10
6TO8	6TO8	6TO8	6TO8	6TO8	6TO8	6TO8	6TO8	6TO8
Free Acc	Free	Free	Free	Free	Free	Free	Free	Free
LUNCH	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry
NITE	No Entry	NITE	NITE	NITE	NITE	No Entry	No Entry	No Entry
No Acc	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry
OFFICE	No Entry	WORK	WORK	WORK	WORK	WORK	No Entry	No Entry
OFFICE_NL	No Entry	WORK_NL	WORK_NL	WORK_NL	WORK_NL	WORK_NL	No Entry	No Entry
SAT	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	Free	No Entry

- Timers

Timer Name	From	To	From	To
18TO20	6:00:00 PM	8:00:00 PM	12:00:00 AM	12:00:00 AM
6TO10	6:30:00 AM	10:00:00 PM	12:00:00 AM	12:00:00 AM
6TO8	6:30:00 AM	8:30:00 PM	12:00:00 AM	12:00:00 AM
Free	12:00:00 AM	11:59:00 PM	12:00:00 AM	12:00:00 AM
LUNCH	12:30:00 PM	1:30:00 PM	12:00:00 AM	12:00:00 AM
NITE	12:00:00 AM	7:00:00 AM	7:30:00 PM	11:59:00 PM
No Entry	12:00:00 AM	12:00:00 AM	12:00:00 AM	12:00:00 AM
SHTR_DOWN	7:29:00 PM	7:30:00 PM	12:00:00 AM	12:00:00 AM
SHTR_UP	7:30:00 AM	7:31:00 AM	12:00:00 AM	12:00:00 AM
WORK	8:30:00 AM	12:30:00 PM	1:30:00 PM	6:00:00 PM
WORK_NL	8:30:00 AM	6:00:00 PM	12:00:00 AM	12:00:00 AM

Transaction Report

You can filter the transaction report with the following options:

- Controller
- Date
- Transaction Type

Device Name	Date	Time	Staff number	Card number	Staff Name	Department	Position	Transaction
Main Door	21/09/2007	9:13:00 AM						v
Main Door	21/09/2007	9:16:00 AM						5 Pulse Door Open
Main Door	21/09/2007	9:16:42 AM						Y Controller Up
Main Door	21/09/2007	9:27:00 AM	013005	013005	TEMPORARY1	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:27:00 AM	013001	013001	Suhaimi	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:27:00 AM	013003	013003	Balakrisnan	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:27:00 AM	013006	013006	TEMPORARY2	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:27:00 AM			Unknown			1 Invalid Entry
Main Door	21/09/2007	9:27:00 AM	013002	013002	Ridhwann	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:27:00 AM	013004	013004	Tan Siew Meng	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013009		TEMPORARY	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013011	013011	TEMPORARY	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013010	013010	TEMPORARY	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013008	013008	TEMPORARY4	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013012	013012	TEMPORARY	Marketing	Executive	9 Valid Exit
Main Door	21/09/2007	9:28:00 AM	013007	013007	TEMPORARY3	Marketing	Executive	9 Valid Exit

Attendance Report

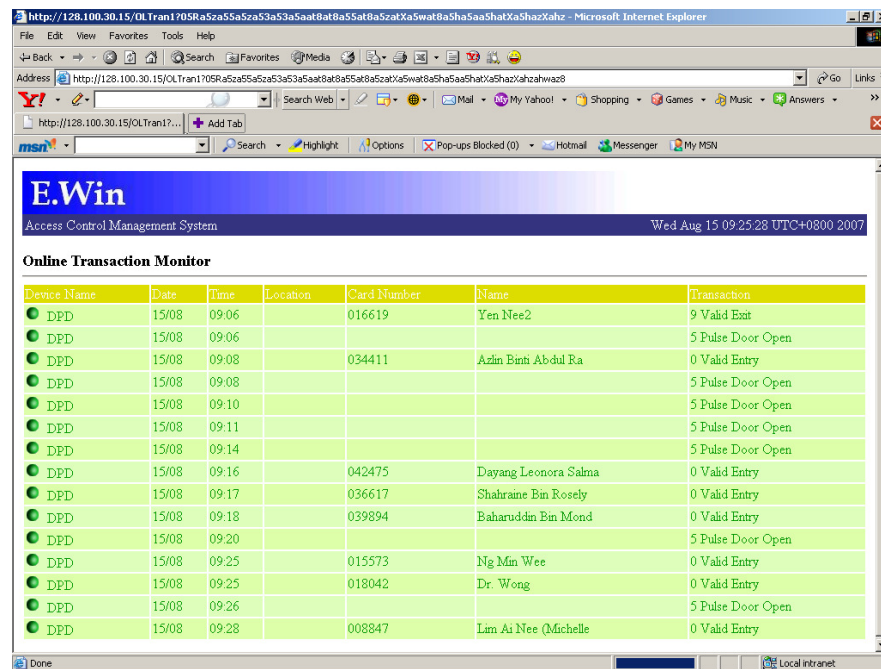
The Attendance Report can be filtered by

- Department
- Date
- Name

Department	Date	Staff Name	IN	OUT	Late (Min)	Work Hours	Staff number	Card number
MARKETING	21/09/2007	SUHAIMI	09:57	15:30	77	5.55	013001	013001
MARKETING	21/09/2007	RIDHWANN	09:57	15:30	77	5.55	013002	013002
MARKETING	21/09/2007	BALAKRISNAN	08:30	15:30	0	7.00	013003	013003
MARKETING	21/09/2007	TAN SIEW MENG	08:00	15:30	0	7.50	013004	013004
MARKETING	21/09/2007	TEMPORARY1	08:30	09:27	0	0.95	013005	013005
MARKETING	21/09/2007	TEMPORARY2	08:00	09:27	0	1.45	013006	013006
MARKETING	21/09/2007	TEMPORARY3	08:30	09:28	0	0.97	013007	013007
MARKETING	21/09/2007	TEMPORARY4	08:30	09:28	0	0.97	013008	013008
MARKETING	21/09/2007	TEMPORARY5	08:31	09:28	0	0.95	013009	013009
MARKETING	21/09/2007	TEMPORARY6	08:15	09:28	0	1.22	013010	013010
MARKETING	21/09/2007	TEMPORARY7	08:30	15:30	0	7.00	013011	013011
MARKETING	21/09/2007	TEMPORARY8	08:00	09:28	0	1.47	013012	013012
MARKETING	21/09/2007	TEMPORARY9	08:30	15:30	0	7.00	013013	013013
MARKETING	21/09/2007	TEMPORARY10	08:30	09:28	0	0.97	013014	013014
MARKETING	21/09/2007	TEMPORARY11	09:00	09:28	20	0.47	013015	013015
MARKETING	21/09/2007	TEMPORARY12	08:20	09:28	0	1.13	013016	013016
MARKETING	21/09/2007	TEMPORARY13	08:30	15:30	0	7.00	013017	013017
MARKETING	21/09/2007	TEMPORARY15	08:30	15:30	0	7.00	013018	013018

Online Transaction

You can click button to get online transaction



The screenshot shows a web browser window with the address bar displaying a long URL. The page content includes the E.Win logo and the text 'Access Control Management System' with a timestamp 'Wed Aug 15 09:25:28 UTC+0800 2007'. Below this is a section titled 'Online Transaction Monitor' containing a table of transaction records.

Device Name	Date	Time	Location	Card Number	Name	Transaction
DPD	15/08	09:06		016619	Yen Nee2	9 Valid Exit
DPD	15/08	09:06				5 Pulse Door Open
DPD	15/08	09:08		034411	Azin Binti Abdul Ra	0 Valid Entry
DPD	15/08	09:08				5 Pulse Door Open
DPD	15/08	09:10				5 Pulse Door Open
DPD	15/08	09:11				5 Pulse Door Open
DPD	15/08	09:14				5 Pulse Door Open
DPD	15/08	09:16		042475	Dayang Leonora Salma	0 Valid Entry
DPD	15/08	09:17		036617	Shahraie Bin Rosely	0 Valid Entry
DPD	15/08	09:18		039894	Baharuddin Bin Mond	0 Valid Entry
DPD	15/08	09:20				5 Pulse Door Open
DPD	15/08	09:25		015573	Ng Min Wee	0 Valid Entry
DPD	15/08	09:25		018042	Dr. Wong	0 Valid Entry
DPD	15/08	09:26				5 Pulse Door Open
DPD	15/08	09:28		008847	Lim Ai Nee (Michelle)	0 Valid Entry

PART II

DATA COMMUNICATIONS

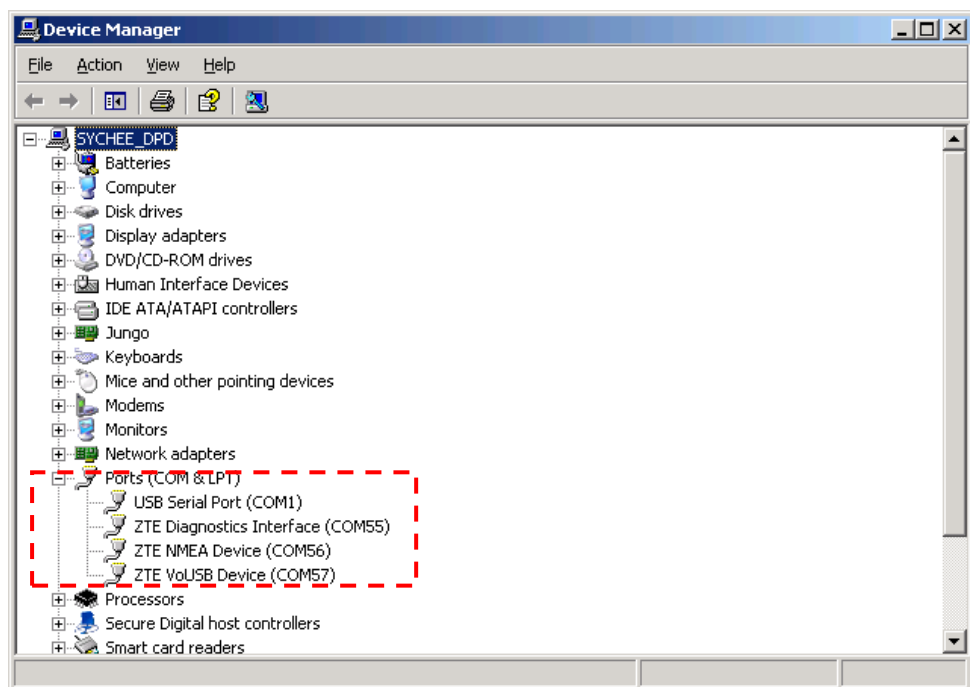
CHAPTER 5

5.0 SERIAL COMMUNICATION PORT

5.1 Check List of COM Ports Available

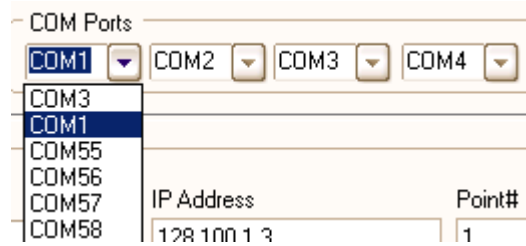
You can check the available COM port from “Control Panel”

- 1 At “Control Panel”, select “System”.
- 2 From the system properties, click on ‘Hardware’ tab.
- 3 Click on ‘Device Manager’ button and look for ‘Ports (COM & LPT)’ and click on the ‘+’ to expand and view the available port list



E.WIN can also automatically detect the available com port from your PC, you can check the available com port list from E.WIN Designer detect function or E.WIN Manager, Setup -> Communication Setup. Here is the example on how to check the available port from E.WIN Designer.

1. Log in to E.WIN Designer.
2. Click at ‘Detect’ button.
3. Click at the COM Ports drop-down list, all available com port will be shown as below.



5.2 How to Test COM Port

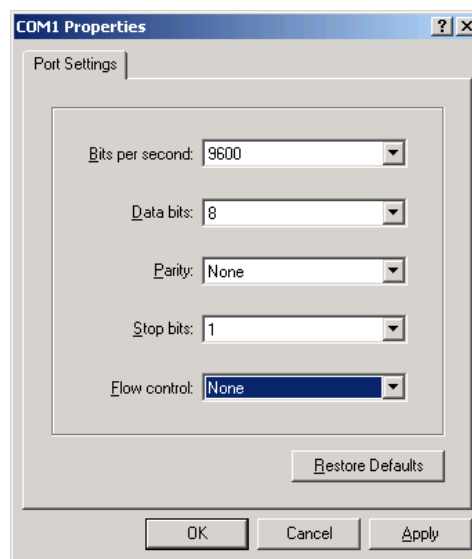
1. Select Start > Programs > Accessories > Hyperterminal.
2. Make a new connection.
3. In the next pop-up menu, choose direct to COMx, where x is the number of the COM Port to be tested.
4. Set the 'Flow Control' to 'None'.
5. Select File > Properties from menu bar, select Settings tab, and then click the ASCII Setup button.
6. Check the option for **Echo typed characters locally**
7. Start typing. If you see the typed characters show on the screen, means the comm. port is functional.

5.3 How to Troubleshoot Connection from PC to Controllers

1. At PC, run Hyperterminal or Bray's Terminal (this program can be downloaded from Elid Technical Support Web Site).

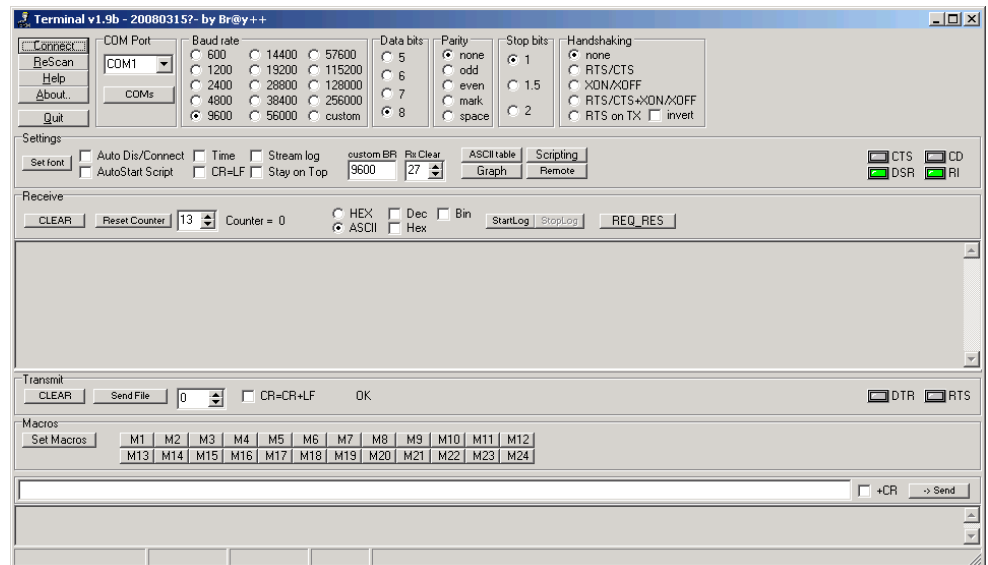
Hyperterminal

- At PC, select Start > All Programs > Accessories > Communications
- Make a new connection.
- Select the COM port number that connected to the controller to be tested.
- Set the 'Bits per second' (the baud rate should be same as controller) and 'Flow control' to 'None'.



Bray's Terminal

- Run Bra's Terminal program, the screen as shown below will appear:



- Select the COM Port and baud rate then click 'Connect'
 2. At Controller, go to test communication mode (please refer to controller's manual for the detail on how to log into test communication mode.
 3. Try to observe at both controller screen and PC screen, whatever type from PC should echo to controller screen and vice versa.

Troubleshooting:

You should go through COM port test to ensure functionality of Com port as describe above before undergo following troubleshooting step

1. Please check whether the baud rate has been set correctly at both PC and controller. Both PC and controller should run at same baud rate. If you are using EL70Y as communicator, please check the baud rate setting of EL70Y too.
2. Please check whether any loose wire connection. Use meter to test the continuity to ensure no broken wire.
3. Make sure the communication type of controller is set properly. Some of the controller has multiple communication selection. (e.g. EL1330, EL2308 and etc). Check the jumper position of RS485 / Multidrop selection of the controller.
4. If you are using multidrop communication, please make sure the communicator power is turn on.
5. Please make sure the communication line is not exceeded 1km as long distance will cause voltage drop and thus affect the communication.
6. You may try to reset the communicator (e.g. EL70Y) as it could due to communicator hang.

CHAPTER 6

6.0 LOCAL AREA NETWORK (TCP/IP)

E.WIN support TCP/IP controllers. Before you can link the IP controller to E.WIN, you must configure the IP properties as below of the controller.

- IP Address
- Subnet Mask
- Gateway
- Port Number

There are 2 methods to configure the IP properties of the controller, 1) by controller's keypad or 2) using special tool (ZnetCom, IPSearch). Please refer to the corresponding controller manual for the detail of IP properties configuration.

6.1 How to check connection between PC and controller

Ping the controller's IP address from PC

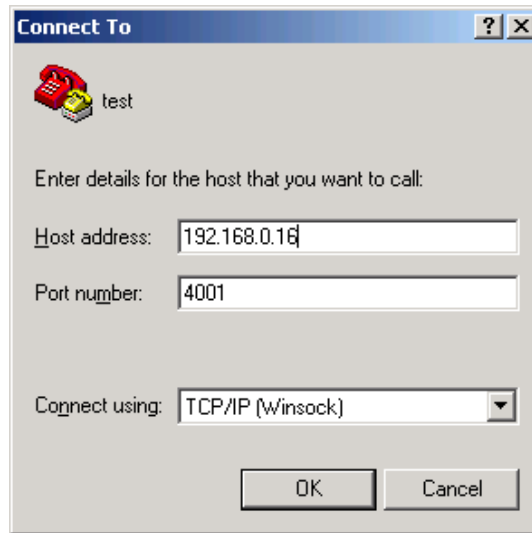
At Command Prompt (Start > All Programs > Accessories > Command Prompt), enter the following command 'ping xxx.xxx.xxx.xxx' where x is the IP address of the controller.

Telnet the controller

At Command Prompt, enter the following command 'telnet xxx.xxx.xxx.xxx.yyyy, where x refer to the IP address of controller and y refer to port number of the controller. The default global IP port using in E.WIN is 4001, you can change the port number in Edotwin.ini located at C:\Program Files\EdotWIN.

HyperTerminal

1. At PC, go to Start > All Programs > Accessories > Communication > Hyperterminal
2. Make a new connection.
3. Select connection type as 'TCP/IP (Winsock)', then enter the controller IP and port number.



4. If successfully connected, the bottom left corner of the HyperTerminal screen will show 'connected'
5. At controller, go to communication test mode.
6. Try to observe at both controller screen and PC screen, whatever type from PC should echo to controller screen and vice versa.

Troubleshooting

If you fail to ping the controller IP Address

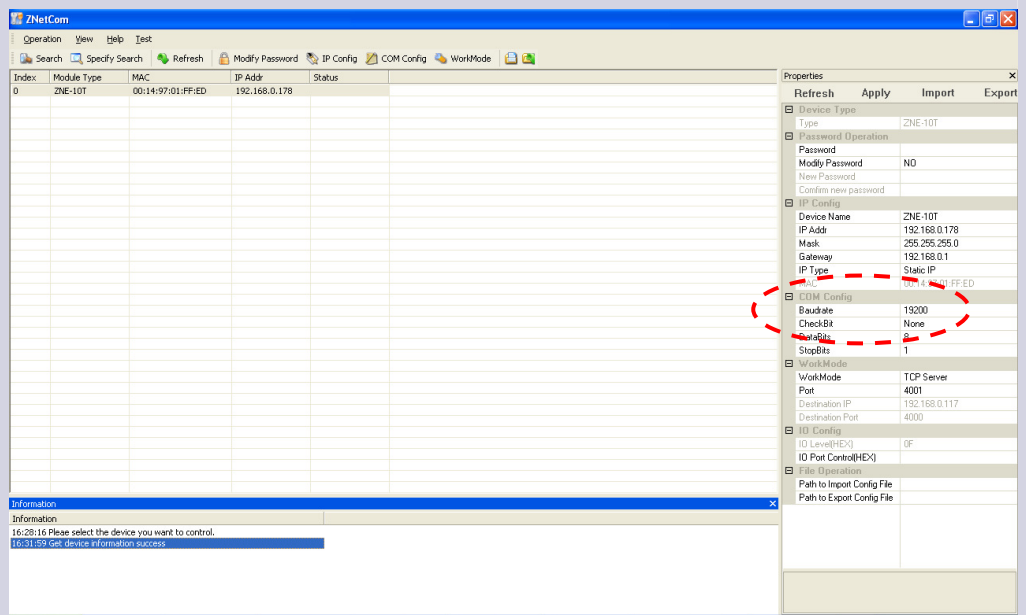
1. Please check the LAN cable is connected properly at both ends, is there any poor contact?
2. If the IP Address of the controller is set by controller's keypad, try to check the controller's IP from ZnetCom utility again, make sure the IP Address is set properly.
3. Make sure the hub is compatible and able to take 10M transmission speed.

If you fail to telnet the controller

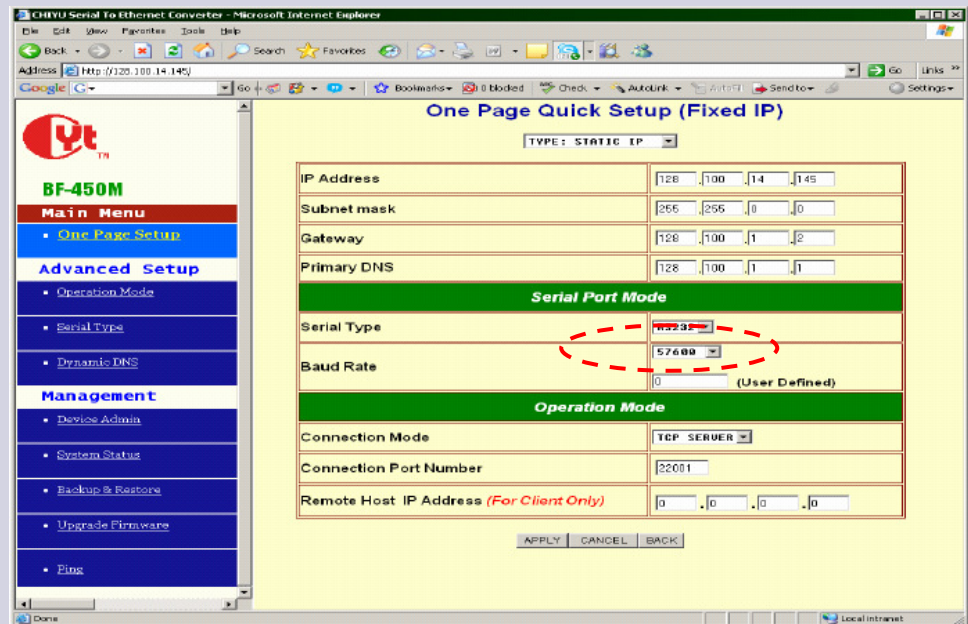
1. Please contact IT administrator to confirm whether the particular port is open.

If HyperTerminal test fail

1. Please check whether the LAN module is inserted properly, is there connected to wrong socket or connection loose?
2. If you are using EL1330 controller, please make sure the jumper is set to TCP/IP communication (short both jumper on JP3); the jumper at serial communication (JP2) should be removed.
3. Is the controller baud rate same as the LAN module baud rate?
 - If you are using Znet LAN module or EL70L (for controller EL1330, EL1370, EL2308 and etc).
The baud rate of controller must set to 19200 or 'LAN'. Then check the baud rate of Znet LAN module by using ZnetComm, make sure it is '19200'.



- If you are using Chiyu LAN module or EL78A (for controller EL3000 and etc) Check the baud rate of the LAN module by using IPSearch.



You must set your controller baud rate same as the baud rate highlighted as above.

You can also try to test the system with private LAN first to eliminate the network issue.

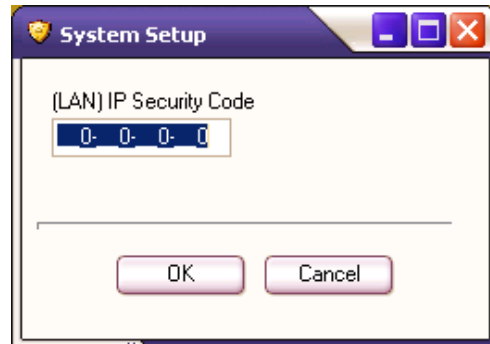
6.2 Encrypted Mode

Encrypted mode is only available for those controllers that support data encryption, such as EL1330. The option is off by default. To turn on, edit EdotWin.Ini, set:

```
[Comm Setting]
LANMode=1
```

A special code call 'Security Code' is recognition for both ways to start communicate. Thus, once Encrypted Mode is turn on, you must set the security code at controller and E.WIN. Security code consist of 4 sets of 3-digit number, each set of number must not exceeded 255.

1. At E.WIN Manager, go to Setup > System Setup
2. Enter 4 sets of security code to the following screen



3. Click 'OK' to save the setting.

6.3 Bulk Command

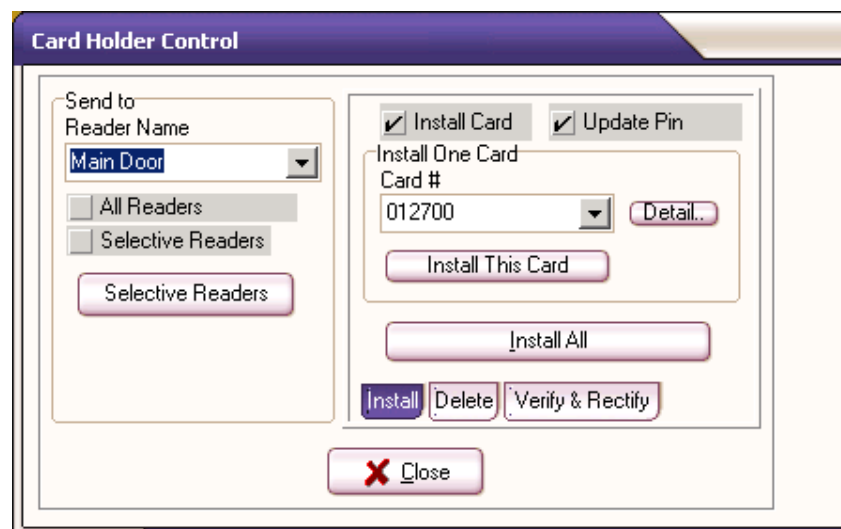
Bulk command allows install cards in bulk. This command can be enabled from EdotWin.ini file.

[Comm Setting]
LANCommand=1

When you try to install all cards, the process will be much faster.

How to install all cards.

1. Click at 'Control' button, select 'Card DB Control'.



2. Select the controller to send to.
3. Select either install card with pin or card only.
4. Click 'Install All'.

PART III

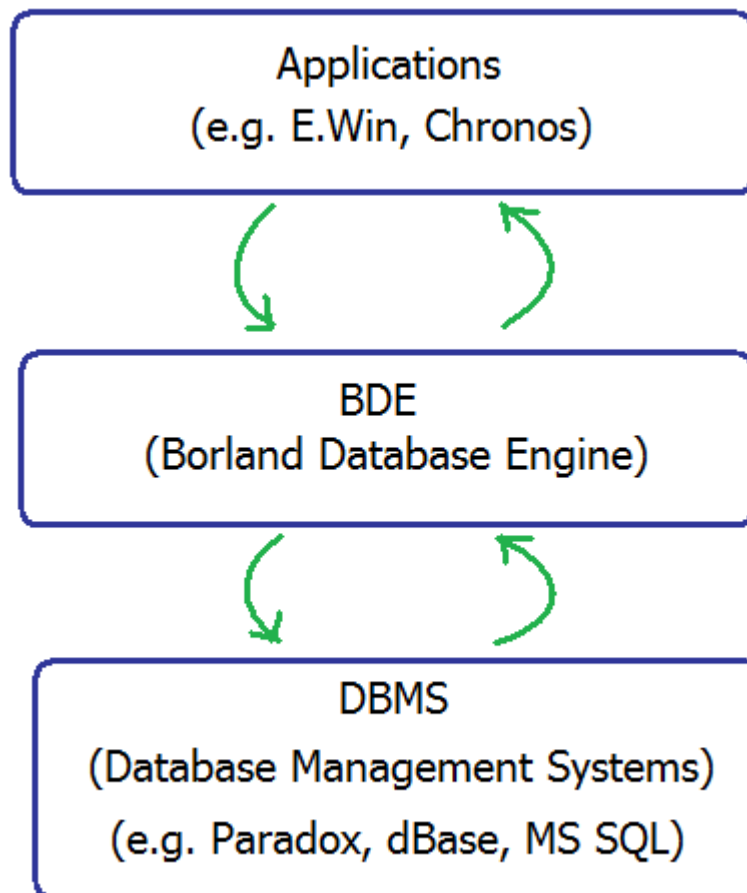
E.WIN DATABASE

CHAPTER 7

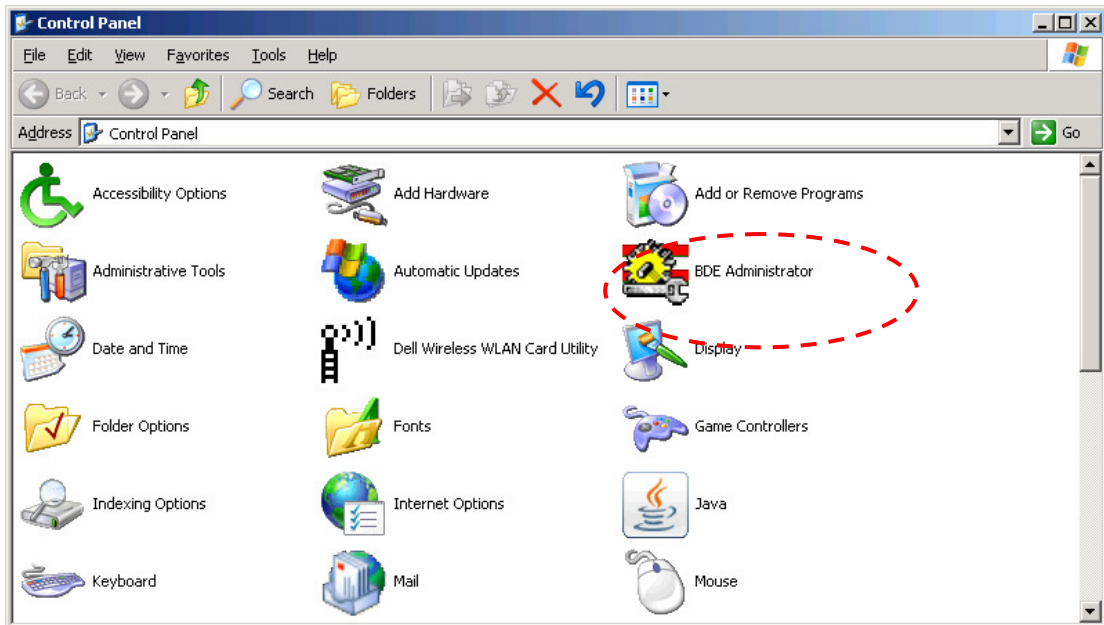
7.0 BORLAND DATABASE ENGINE (BDE)

BDE (Borland Database Engine) is the agent or interface to database management systems (DBMS) such as Paradox, dBase, and Microsoft SQL Server. It facilitates the connections and allows easy switching from one database to another, for example, from Paradox to MS SQL. Therefore, BDE allow an application to scale up easily.

An application will pass a query on database to BDE first before reaching the DBMS, for example, E.WIN sends a request to BDE through EdotWin Alias (we will talk about database alias in a short while) to the Paradox database.



The tool used to configure and setup BDE is called BDE Administrator, which will be available in the Control Panel as soon as you finish installing E.WIN as shown in below

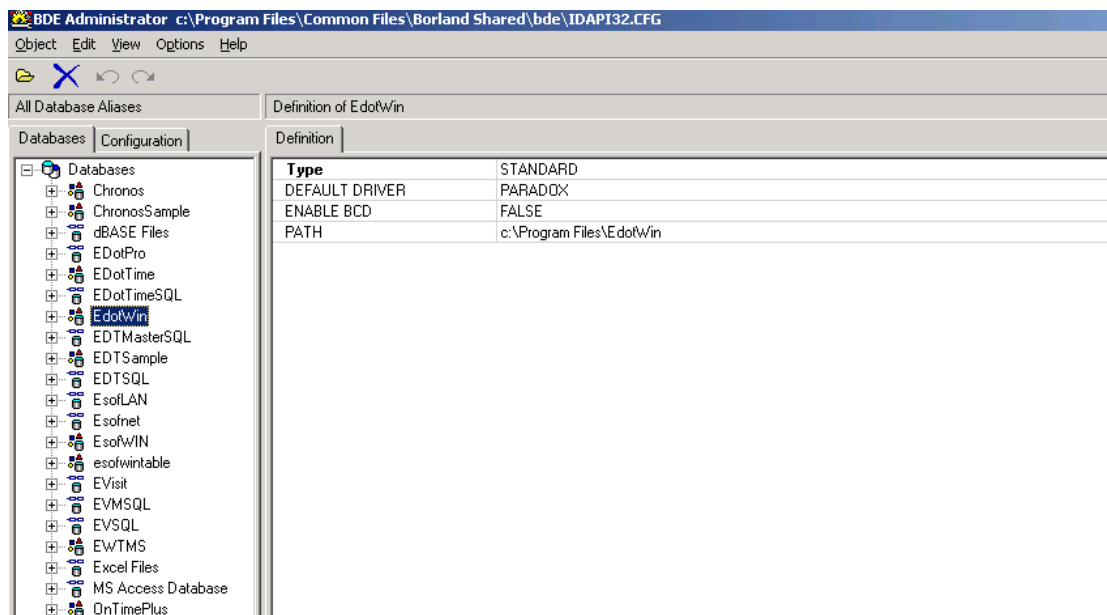


BDE Administrator in Control Panel.

BDE – in the context of E.Win

In E.Win, there are two database aliases used: EsowinTable and EdotWin. Database alias is a name used to refer to a database, typically stored in a folder. So when we mention Alias in the context of Paradox, we refer to files kept in a particular folder.

E.Win keeps the database files in the *C:\Program Files\EdotWin* folder, thus BDE is set to point to that folder:



E.Win alias settings in BDE Administrator

For Chronos alias, the folder path is pointed to *C:\Program Files\Chronos\Database* for instead.

CHAPTER 8

8.0 PARADOX DATABASE MANAGEMENT SYSTEM

E.WIN is using paradox database. Every table of E.WIN will have a set of files that looks like this,

Table.DB

Table.PX

Table.XG0

Table.XG1

Table.YG0

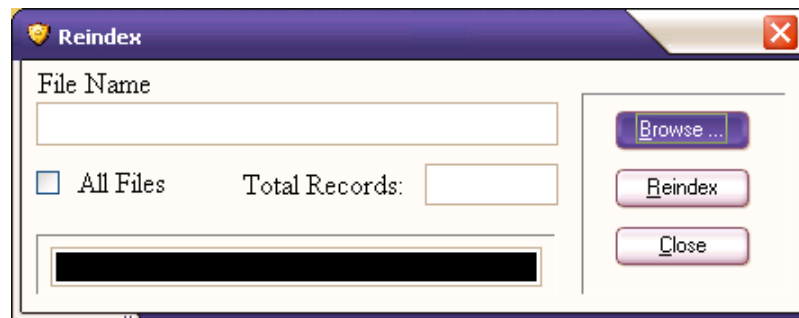
Table.YG1

8.1 How to fix Paradox database problem

The most common problem that happens in Paradox database is 'Index out of date' error. You can reindex the table by using the 'reindex' feature that can be found in the utility menu or E.WIN folder.

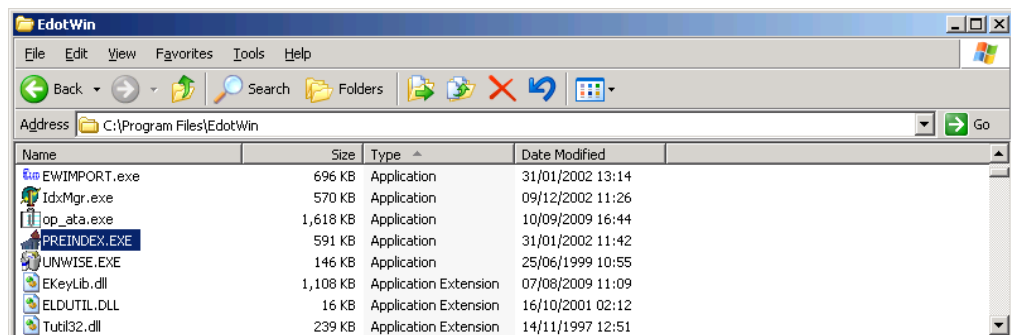
Perform "Reindex" in E.WIN Manager:

1. Go to Utility > Reindex.

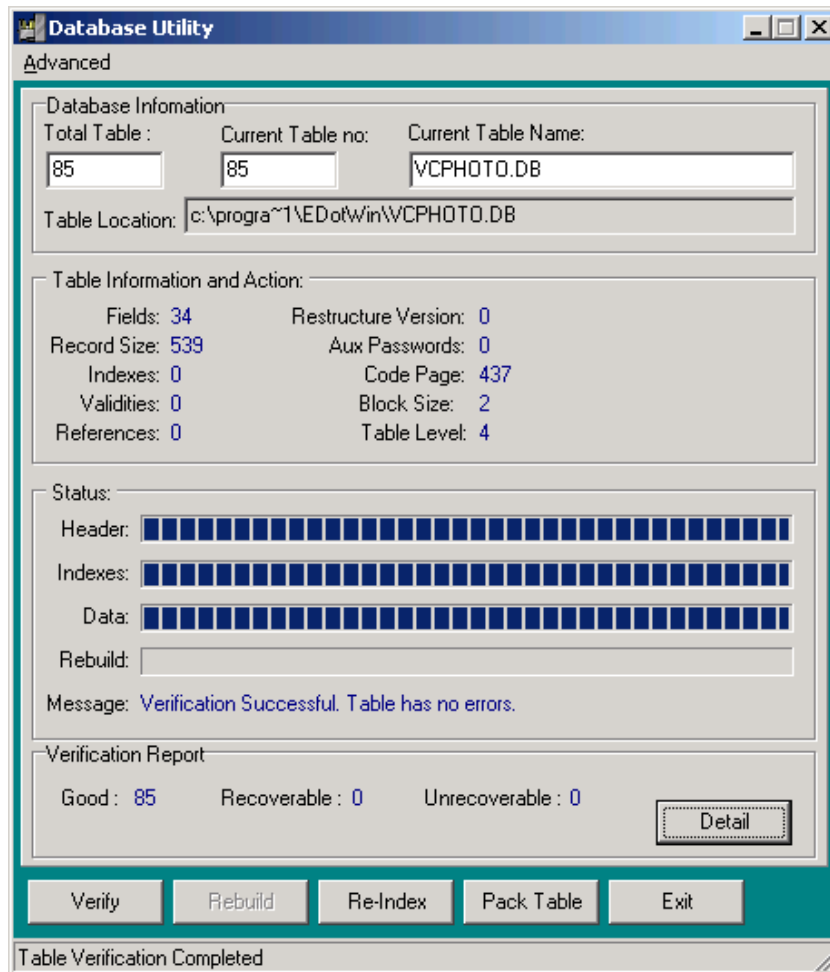


2. You can either select 'All Files' or specify only a particular file using 'Browse' to locate the file.
3. Click on the 'Reindex' button to start the operation.

You can also get the similar screen from C:\Program Files\EdotWin\Preindex.exe. If you fail to log into E.WIN Manager due to database corrupted, you can run this tool without log into E.WIN Manager



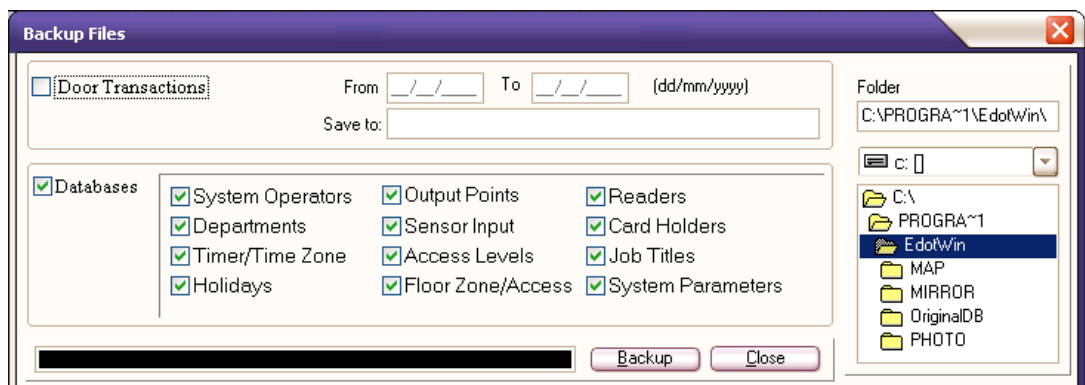
You can repair corrupted tables by using DB Utility (DB_Fix32.exe). This tool can be found in C:\Program Files\EdotWin. Once you run this utility, below screen will be appear:



Click on 'Verify' button, the utility will start to check the condition of database. A verification report will be shown. You can also Re-index the database by clicking the 'Re-Index' button. If corrupted table found, you can click on 'Rebuild' button to rebuild the particular table.

8.2 Backup & Restore

This feature is available in Utilities menu. You can select transaction for particular date or database to backup from the screen below:



2. Click on 'Open History File' button.
3. Select the transaction file (.DB) to view.
4. Click on 'View/Print' button. The content of the transaction file will be shown.

Troubleshooting

If you found transaction loss problem in E.WIN

1. Make sure E.WIN scanning always 'on' to download transaction. It is to prevent transaction overwritten in controller database.

CHAPTER 9

9.0 TIME ATTENDANCE MANAGEMENT SYSTEM (CHRONOS LINK)

The standard E.WIN is build in with Chronos Time Attendance Management system. You can also integrate E.WIN with E.Time, Multiple-shift Time Attendance Management system. Section 13.2 will explain more detail on E.Time integration part.

At E.WIN Manager, click on 'Attendance' button to get into Chronos.



The cardholder details and the first-in-last-out record of each cardholder at each particular day will be automatically transferred to Chronos. Therefore, you no need to manage card access system and time attendance system separately.

Troubleshooting

What to do if Staff Information not transferred to Chronos?

1. Exit Chronos.
2. Click <Cards> on the E.WIN main screen to get into card holder screen,
3. Edit any record, then click <Update> button
4. Click <Close> button will trigger refreshing of staff information to Chronos.
5. Go to Chronos to view updated staff information.

9.1 Attendance Processing

By default, E.Win will process attendance on-the-fly, such that when you start Chronos, you can just view the attendance reports directly without further processing.

The raw In/Out transactions transferred to Chronos from E.WIN can be viewed from activity report. The attendance report of Chronos will be processed according to the working hour set by user in Chronos.

How to configure the working hour

Go to Setting > Working Hour

Working Hour for Group:	Weekday	Off day	In	Meal Out	Meal In	Out	OT Start	OT End
G0	Sunday	<input checked="" type="checkbox"/>	08:30	12:30	13:30	17:30	18:00	23:00
	Monday	<input type="checkbox"/>	09:00	12:30	13:30	17:30	18:00	23:00
	Tuesday	<input type="checkbox"/>	09:00	12:30	13:30	17:30	18:00	23:00
	Wednesday	<input type="checkbox"/>	09:00	12:30	13:30	17:30	18:00	23:00
	Thursday	<input type="checkbox"/>	09:00	12:30	13:30	17:30	18:00	23:00
	Friday	<input type="checkbox"/>	09:00	12:30	13:30	17:30	18:00	23:00
	Saturday	<input checked="" type="checkbox"/>	08:30	12:30	13:30	17:30	18:00	23:00

1. Select Group (G0 to G5)
2. Key in the In, Meal Out, Meal In, Out, OT Start and OT End from Sunday to Saturday.
3. Tick on the days which are off day
4. Key in the allowed late in, allowed early out, OT minimum and OT rounding minutes.
5. Tick on 'Deduct meal hour from total working hour' if you would like to deduct total meal hour from total working hour. If not, please make sure it is not ticked.
6. Click on 'Save' button.

Terms	Explanation
Allowed Late-in minutes	Employee comes late within certain time would not be considered as late in.
Allowed Early-out minutes	Grace period for going off earlier than normal office hour.
OT minimum	Employees are required to work OT more than the OT minimum in order to have the overtime calculation.
OT Rounding	Employee's overtime will be rounded down to the nearest value. For example, OT rounding is 30 minutes. Overtime 40 minutes will be rounded down to 30 minutes. Overtime 75 minutes will be rounded down to 60 minutes.

Deduct Meal Hour	<p>There is an option to deduct total meal hours from total working hours when the software calculates the total working hours. The total meal hour to be deducted is the total meal time which has been defined in working hour.</p> <p>For example, if the defined meal out time is 12:30 and the defined meal in time is 13:30, the total meal hour to be deducted will be 60 minutes and it is not the actual times which have been spent by employee for meal.</p>
------------------	---

Every time slot (WORK IN, MEAL OUT, MEAL IN, WORK OUT, OT IN, OT OUT) have a time frame for employee to badge the card. The time frame can be changed by clicking on the weekday (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday).

The screenshot shows a window titled "Working Time Range Details" with a close button in the top right corner. Inside the window, there are two dropdown menus: "Working Group:" set to "G0" and "Working Hour on :" set to "Monday". Below these are several rows of time settings, each with a label, a "From" column, and a "To" column. The "In Time" row shows 09:00, 23:01, and 11:59. The "Meal Out Time" row shows 12:30, 12:00, and 13:00. The "Meal In Time" row shows 13:30, 13:01, and 14:00. The "Out Time" row shows 17:30, 14:01, and 17:59. The "OT Start Time" row shows 18:00, 18:00, and 23:00. The "OT End Time" row shows 23:00, 18:00, and 23:00. At the bottom center is a "Save" button with a floppy disk icon.

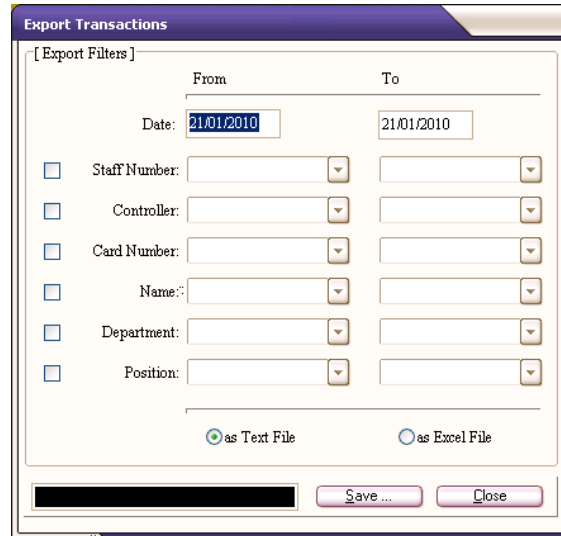
		From	To
In Time	09:00	23:01	11:59
Meal Out Time	12:30	12:00	13:00
Meal In Time	13:30	13:01	14:00
Out Time	17:30	14:01	17:59
OT Start Time	18:00	18:00	23:00
OT End Time	23:00	18:00	23:00

You may see from the screen, the IN TIME range is from 23:01 to 11:59, means that employee is allowed to badge for work in between 23:01 to 11:59. For employees who did not badge within this period, their attendance will not have the work in time.

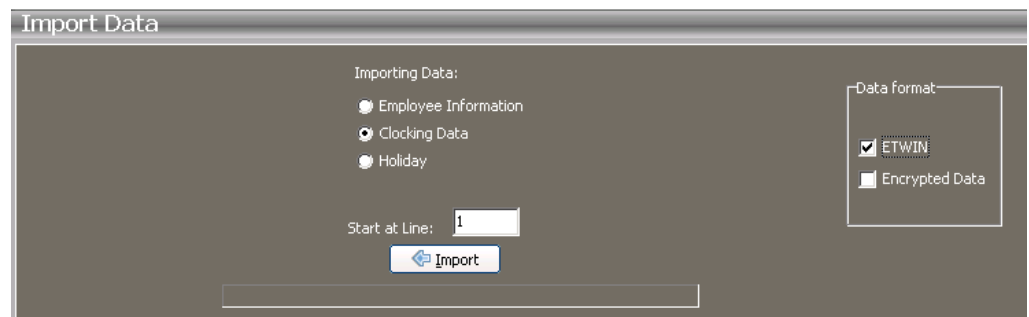
9.2 How to export transaction to Chronos

You can also export the transaction from E.WIN to Chronos manually.

1. At E.WIN Manager, select 'Export Transaction' from Utilities menu.



2. Key in the transaction period to be exported. You can also filter the transaction by 'Staff Number', 'Controller', 'Card Number', 'Name', 'Department', and 'Position'.
3. Export the transaction as Text File. So the exported file will be saved in .dat format.
4. At Chronos, go to Utility > Import Data.



5. Select 'Clocking Data'. At Data Format selection window, tick at ETWIN format as the transaction exported from E.WIN is in ETWIN format.
6. Select the text file previously exported from E.WIN.
7. After import the clocking data, you have to reprocess the attendance in order to update the attendance record. Go to Utility > Reprocess Attendance. Screen as shown below would appear.

The screenshot shows a 'Reprocess Attendance' window. It contains two main sections: 'Employee' and 'Date'. In the 'Employee' section, there are two radio buttons: 'Emp. ID' (which is selected) and 'Emp. Name'. Below these are two dropdown menus. The first dropdown menu displays 'A0001 | a' and the second displays 'A0003 | c'. In the 'Date' section, there are two dropdown menus labeled 'From' and 'To', both of which display the date '21/01/2010'. At the bottom center of the window is a button labeled 'Reprocess' with a green circular icon to its left.

8. Select the employee range and date range that needs to reprocess and click on 'Reprocess' button to start the action.

Troubleshooting

Incomplete attendance (Missing IN time or OUT time)

1. Make sure the working time range is define and set properly as the attendance will process according to the range set. It will take the first record within the in time range and last record within the out time range.
For example, if an employee has the badge in record at 07:26, 09:33, 10:03 and 13:22.
If the IN time range is set to 05:00 to 10:00, then work in time will be 07:26
If the IN time range is set to 07:30 to 10:30, then work in time will be 09:33.
2. Check from activity report, is there any record found within the time range has been set at the working hour? If yes, you can try to manual reprocess the attendance again from utility menu. If no, you can readjust your working time range to cater most of the case and manual reprocess the attendance again.
3. Compare the activity report with E.WIN transaction if you suspect there is transaction loss. In this case, you can import the transaction manually as describe in section 9.2

PART IV

TUNING & TWEAKING

CHAPTER 10

10.0 E.WIN TWEAKS

Some of the settings in E.WIN can be set through a text file named EdotWin.ini. Please be cautioned that this feature is more for advanced users who is familiar with the consequences of the settings. You may cause the E.WIN failed to start by manipulating the settings in the file.

Please bear in mind that some of the settings are directly controlled and set from E.Win screens, for example, language used.

10.1 Setting in E.WIN.ini

The following settings use the convention of 1 as ON and 0 as OFF

[Comm Setting]	
CommPort=1 BaudRate=2400 InterfaceType=EL70	<p>The Comm Port will be automatically scanned and set by E.WIN with license. The comm. port number that can be detected by E.WIN is up to 32.</p> <p>If you are using E.WIN without license (which can only support up to 4 doors), you may need to set the comm. port manually by keying in the serial port number that connected to the controllers.</p> <p>BaudRate is the communication speed between PC and controllers. Thus, the baud rate in E.WIN must be same as that set in the controllers. Otherwise, PC and controller will be failed to communicate.</p> <p>For old model of controller, such as EL1300, EL2205 are using baud rate 2400.</p> <p>For new model of controller, such as EL360, EL370, EL1330, EL1370 and EL2308, the default baud rate is 9600.</p> <p>InterfaceType is the type of communicator using to transfer data between E.WIN and controller in bus 1.</p> <p>If you are using EL70X, set InterfaceType=EL70</p> <p>If you are using EL38, set InterfaceType=EL38</p>

OnLine=1	<p>Set OnLine=1 to allow online scanning of transaction. This will allow transaction immediately retrieved to E.WIN so that it will not be accumulated.</p> <p>It is advisable to always set to 1 as controller has limited space for storing transactions. Once the transaction is exceed the storage limit, it old transaction will be overwritten and cause “missing of transaction”.</p>
OnLinePrinting=0	Online Printing
BuzzerOnAlarm=0	Sound the buzzer if alarm transaction
MultiCommSupport=0 CommPortList=27010203	<p>Set MultiCommSupport=1 if you have more than 1 bus (16 units) of controllers.</p> <p>Since each bus is on a separate serial port, you can specify what comm. port is meant for which bus</p> <p>e.g. Set CommPortList=27010203 Means bus 1 is on COM27, bus 2 on COM1, bus 3 on COM2, bus 4 on COM3.</p>
CommTimeOut10ms=200	Duration E.Win waits before declare as No Response from a controller. It is in unit of 10 miliseconds, 200 means 2 seconds.
IPPort=4001	<p>IP port used in TCP/IP communication from E.WIN to the access controller based on LAN.</p> <p>This is the global setting for all the controllers linked through LAN (Local Area Network)</p>
LANMode=0 LANCommand=0	<p>Set LANMode=1 to turn on Encrypted Mode communication from PC to IP based access controllers.</p> <p>LANCommand=1 allows Bulk commands to be sent. Typically, this mode speeds up card installation process</p> <p>In Bulk mode, 1000 cards can be installed in 1 minute instead of few minutes.</p> <p>NOTE: These 2 commands apply only to EL1330 ver 1.1.x and above.</p>
DeviceDownCount=1	Number of try to get transactions from a controller before declares as ‘Controller Down’.

Map Setting	
MaxMapPause=2	Map switching rate in seconds
BMPOnly=1	BMP files only, set to 0 for other File format, e.g. JPG and etc.
ShowDeviceTag=1	Display device tag below the controller icon
Access Report	
TransSelect=11111111111111111111111111111111	
	Selected Report transactions (maintained by E.WIN, do not change)
EsofproTrans=0	Esofpro Compatible format
Comma Delimited=0	Export transactions in comma delimited format
TimeClock=1	Prepare clock data for Chronos
OnTimePath=c:\progra~1\chronos\	Time Attendance directory
DirectPrint=1	Set to 1 for dot matrix printer while using on-line printing feature. Set to 0 means requesting E.WIN to print on the page by page basis.
TemporaryCard=0	Allow temporary card
System Status	
Query=1	Query for device status, e.g. Door Open.
DiskSpaceWarning=10	Display warning message if hard disk free space < n Megabytes
EL1200QA=1	Enable small data packet when polling EL1200. This will override 'Query=?' setting.
Options	
CondIOEnabled=0	Enable conditional I/O in E.WIN Designer.
LatestPhotoEnable=1	Enable triggering of photo for latest transaction. Such as valid entry, valid exit, invalid entry, wrong pin, wrong time zone and duress alarm.
RetainOnlineScr=1	Retain transaction on online transaction screen for next launch.
TreeView=0	Show tree view panel at the left side of online transaction screen.

<p>POIIDelay=2 pollDelaySec=0</p>	<p>PollDelay controls speed of communication in general, applies to polling as well as commands sent.</p> <p>PollDelaySec is purely meant for delaying the process of polling transactions. Allow less frequent controller polling. This is for situation where only 1 controller is used, and PC polls the controller so fast that card reading becomes a problem for the controller. More for older model of EL1300.</p>
<p>HolidayIgnoreYear=1</p>	<p>Set to 1 means requesting E.WIN to download date of holidays by month and day irrespective of year, to the controllers.</p>
<p>International=0 LanguageFile=chi_gb.txt LanguageID=0</p>	<p>Set international to 1 to enable language display other than English</p> <p>LanguageFile specifies which text file to be read as translated text.</p> <p>LanguageID is meant for controlling text display. 1 for Chinese GB (Mainland China) 2 for Chinese BIG5 (HK & Taiwan) 3 for Malay 4 for Thai</p> <p>User is advised not to edit these settings directly, but set it through the E.Win Preferences screen.</p>
<p>DailyUpdateControllerTime=1</p>	<p>Set to 1 to ask E.WIN to send date/time to all controllers during midnight daily.</p> <p>To have that feature, E.WIN will need to be running 24 hours x 7 days.</p>
<p>AutoPreindex=1</p>	<p>Database / index scanning upon startup</p>
<p>IgnoreInOutCode=1</p>	<p>Allow you to use in reader for both in / out time clocking</p>
<p>OnlineTransparency=225</p>	<p>Set the transparency level of online transaction window. Bigger value means less transparent</p>

<p>LimitedEdition=1</p>	<p>Without license, E.WIN supports up to maximum of 4 controllers, with full functionalities.</p> <p>Once LimitedEdition=1, you will need to make sure the serial port that you specified under [Comm Setting], CommPort=x is actually the one you linked to the EL70Y or EL70T.</p> <p>Under LimitedEdition mode, E.WIN does not perform key detection, thus does not scan through serial port one by one to figure out which port is used.</p>
<p>EWTMS=0</p>	<p>When EWTMS set to 1, the TMS module using in E.WIN is the simplest TMS module.</p> <p>If you want to integrate E.WIN with Chronos or E.Time Time Management system, EWTMS must set to "0"</p>
<p>EnableAttendAgent=1 Chronos_Link=1 EWTMSDBPath=C:\progra~1\chronos\database\</p>	<p>Attendance Agent processes attendance on-the-fly, such that you can view attendance report directly after running Chronos.</p> <p>E.WIN can be integrated with either Chronos or E.Time.</p> <p>To integrate E.WIN with Chronos, add the command Chronos_Link=1, and key in the database directory at EWTMSDBPath. In this case, the Chronos database is located at C:\Program Files\Chronos\Database.</p> <p>To integrate E.WIN with E.Time, add the command ET_Link=1 and EWTMSDBPath should point to E.Time database.</p> <p>Please note that for standard installation, E.WIN by default has been pre-configured to work with Chronos, therefore, you do not need to set any of these.</p> <p>While for E.Time integration, there is a tool named ET_Link.Exe that will configure all the settings for you.</p>
<p>AutoInsDellImportedCards=1</p>	<p>This command will enable the auto update of employee database in Chronos / E.Time according to the E.WIN card database. This is to prevent any changes made in card database of E.WIN not synchronize to Chronos / E.Time.</p>

EWTMSAllInOut=1	To push all in and out transaction from E.WIN to Chronos / E.Time instead of only first in and last out transaction.
OTPCutOffTime=0700	Allow proper processing of attendance, especially those across midnight.
Web Server	
WebEnabled=1 IPPort=8080	Set to 1 to enable Tiny Web Server, with the condition that you have E.WIN license added with Web Module. By default it is off to avoid conflict with IIS or Apache installed on certain PC. If you wish to run E.WIN Web Server on other port, just set IPPort to the value you wish, e.g. IPPort=8080
WebExpiredSec=60	To protect user from accidentally forget to logout E.WIN Tiny Web Server, you can set the WebExpiredSec to automatically logout the user. In this case, 60 seconds idling will cause E.WIN to log the user out.
[Cards]	
ET636CommPort=22 ET636Reader=1	E.WIN supports USB linked ET636 card reader. Set ET636CommPort to the comm. port created by USB linked ET636. Set ET636Reader=1 to enable ET636 interface.

PART V

HOW-TOS & FAQ

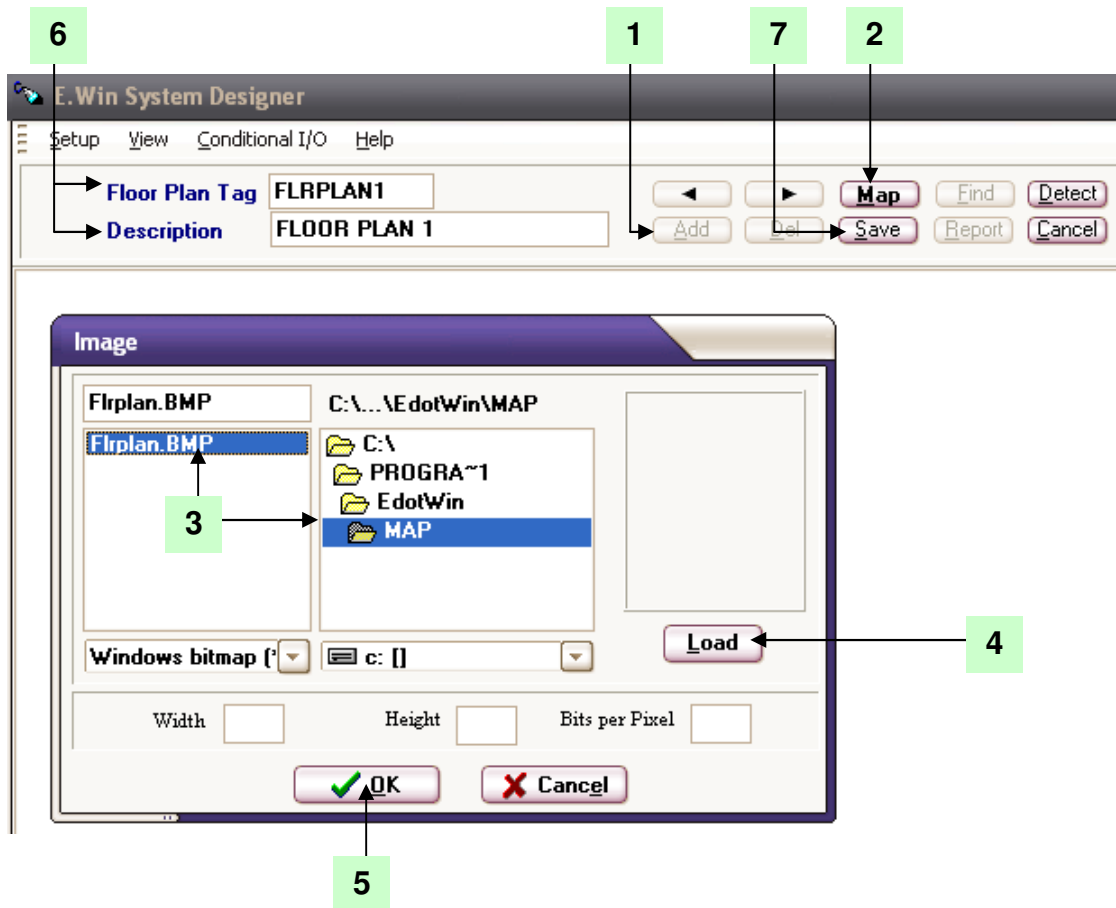
CHAPTER 11

11.0 E.WIN DESIGNER (HOW-TOS)

11.1 How to load a new floor plan in E.WIN Designer?

You can insert site plan at Designer, the site plan can be in BMP or JPG format. At E.WIN Designer, click on 'Add' button.

1. Click on 'Map' button to select a map.
2. Call out directory and choose your required file
3. Click on 'Load' button
4. Click on 'Load' button
5. Click 'OK'
6. Change the 'Floor Plan Tag' and 'Description'
7. Click on 'Save' button



11.2 How to setup multi-buses (comm.) system?

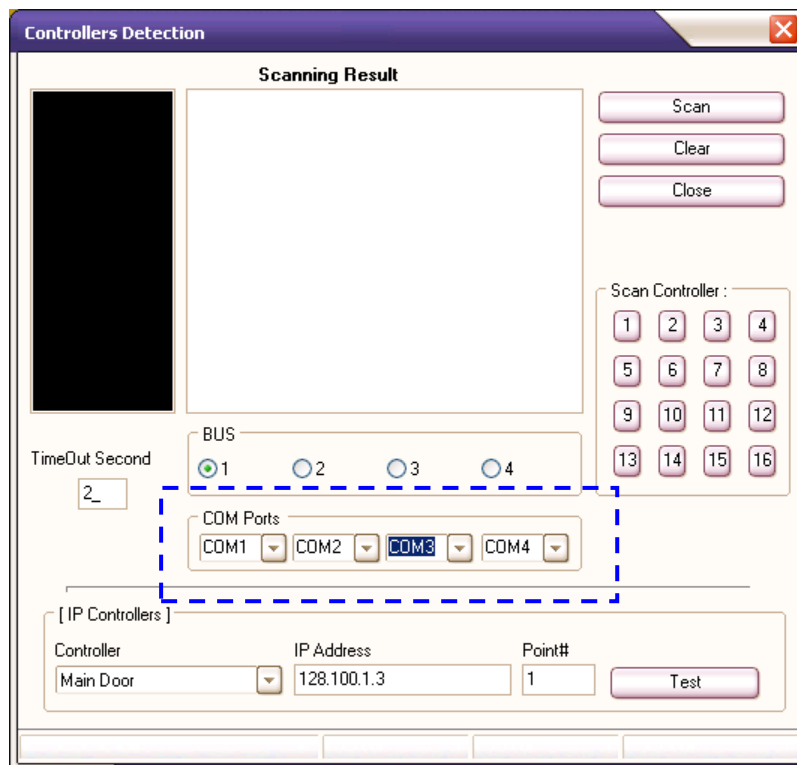
1. At C:\Program Files\EdotWin\EdotWin.ini, enable multi-buses by enter the following command:

```
[Comm Setting]
MultiCommSupport=1
```

2. Redirect bus1, bus2, bus3 and bus4 by using CommPortList in EdotWin.ini
For example,
'CommPortList=02060305'

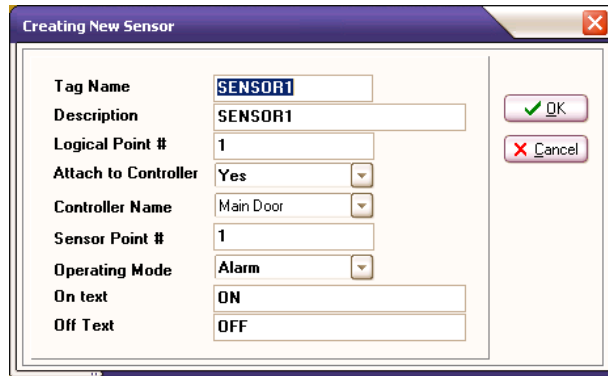
Which first two digit, 02 represent use COM2 as bus 1
second two digit, 06 represent use COM6 as bus 2
third two digit, 03 represent use COM3 as bus 3
last two digit, 05 represent use COM5 as bus 4

3. Alternatively, you can also assign the comm. port for each bus at E.WIN Designer > Detect



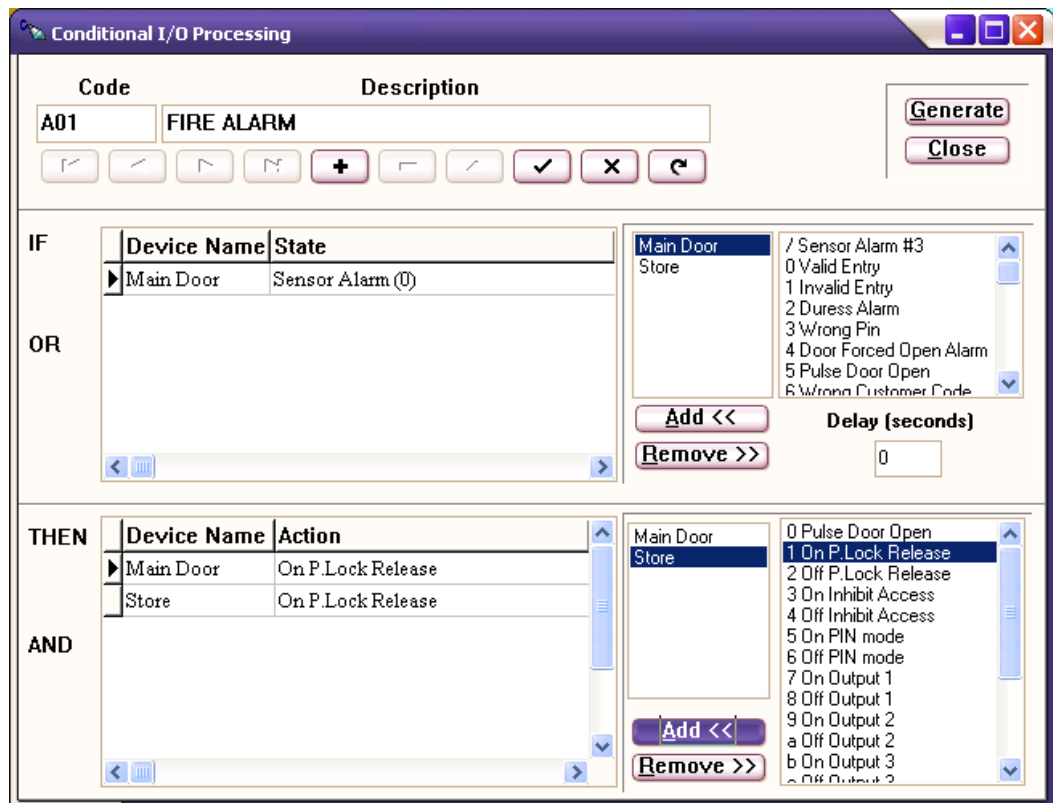
11.3 How to interface fire alarm to unlock all doors?

1. Enable the Conditional I/O at EdotWin.ini by adding the following command.
[Options]
CondIOEnabled=1
2. At E.WIN Designer, define a sensor that connects to fire alarm panel.



1. Key in the sensor logical point number.
2. Select whether the sensor is attached to controller.
3. Select the controller name that sensor attached to.
4. Select 'Alarm' as Operating Mode.

3. Select Conditional IO menu, the following screen will appear:



4. Click on '+' button to add a new condition.
5. Key in Code and Description.
6. Generate a rule that following condition applied.
If 'Sensor Alarm' then 'On Permanent Lock Release' for every door.
7. Click on 'Generate' button.

11.4 How to check if a controller is up and running?

1. At E.WIN Designer, click on 'Detect' button.
2. Select the controller unit to scan.
3. Click on 'Scan' to start detect the controller, if controller is up and running, the scanning result window will show the controller model and it's firmware version number.

CHAPTER 12

12.0 E.WIN MANAGER (HOW-TOS)

12.1 How to change online transactions screen transparency level?

The online transaction screen transparency level can be changed from EDOTWIN.INI file.

[Options]

OnlineTransparency=225

You can adjust the figure from range 50 to 250

12.2 How to export transactions other than IN / OUT?

The standard export transaction is only able to export valid IN/OUT transaction. In order to export the selected transaction, you may need to export it to text format but save it as .ACS format.

1. At E.WIN Manager, click on 'Report' button.
2. Then select time range of transaction to be exported and you can also filter the transaction by 'Reader', 'Employee No.', 'Card No.', 'Name', 'Department' and 'Position'.

Access Report

Date/Time (dd/mm/yyyy hh:mm)

Date: 15/01/2010 To: 25/01/2010

Time: 00:00 To: 23:59

Ignore Date and Time

Sort Order

1st Key: Reader

2nd Key: Date/Time

3rd Key: Reader

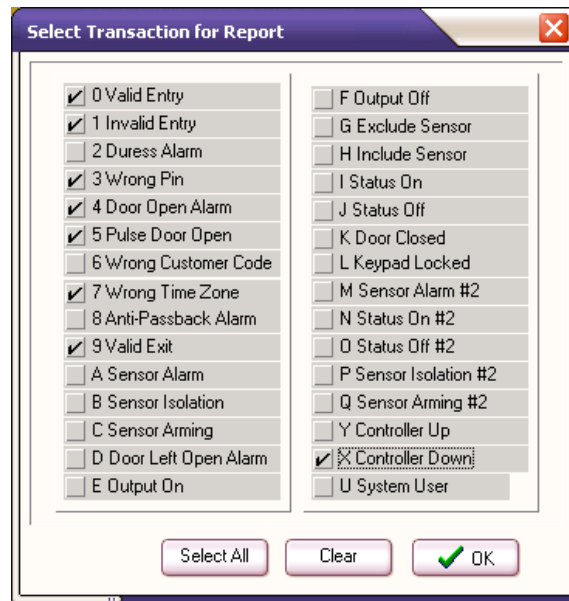
Buttons: Select Transaction, View/Print, Export, Close

Open History File: TR100125

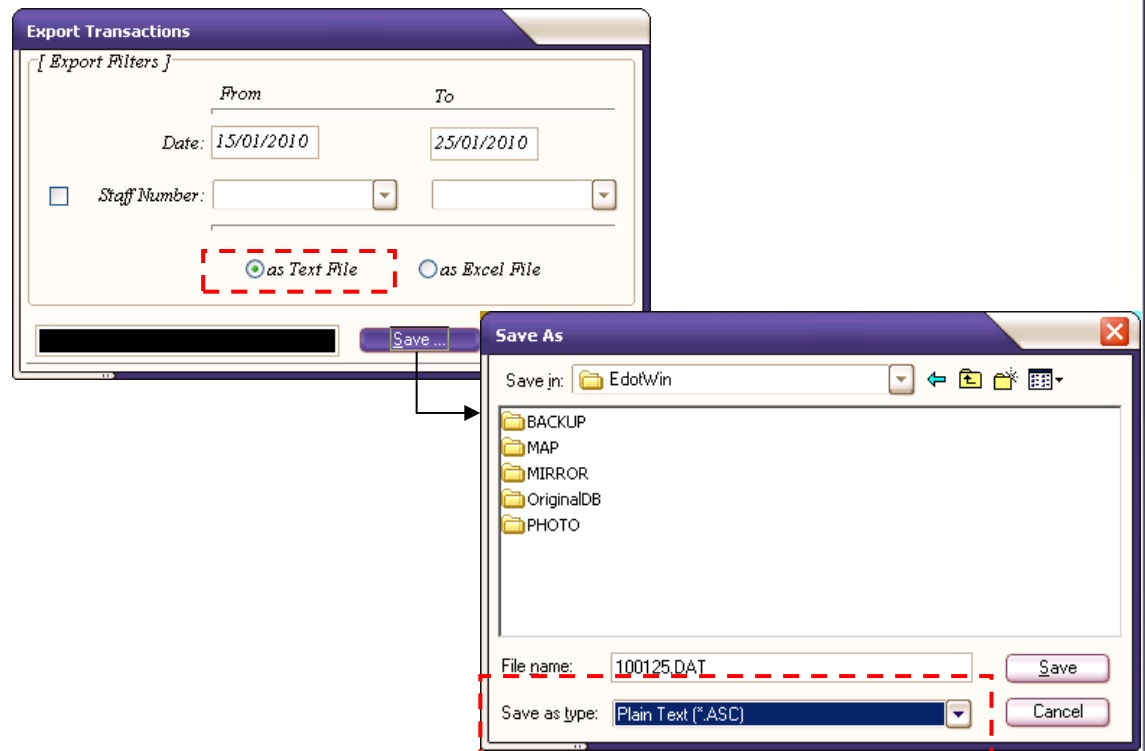
Filters:

- Reader: [Dropdown] To [Dropdown] Clear
- Employee #: [Dropdown] To [Dropdown] Clear
- Card #: [Dropdown] To [Dropdown] Clear
- Name: [Dropdown] To [Dropdown] Clear
- Department: [Dropdown] To [Dropdown] Clear
- Position: [Dropdown] To [Dropdown] Clear

3. Click on 'Select Transaction' to select type of transaction to be exported, and then click ok to save the setting.



4. Click on 'Export' then 'Save...', select the directory to save the transaction, the file must be save in ASCII format.



12.3 How to setup E.WIN to interface to modem linked controllers?

1. At remote site, prepare special cables run from EL70B to the modem. Every site must have one cable, one EL70B and one modem.

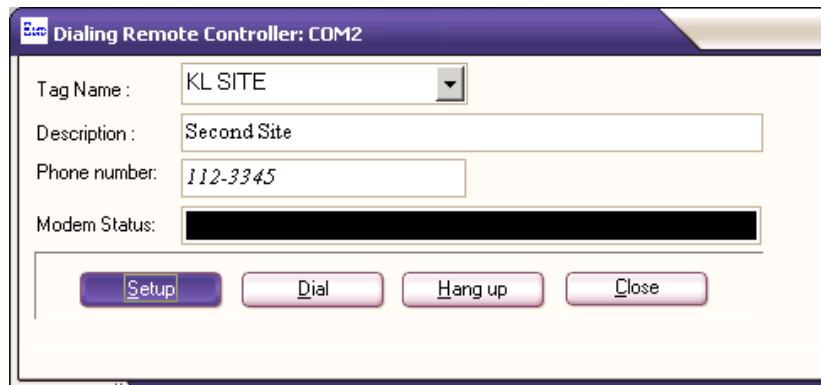
The pin connections are as follows:

<u>Male 9 (EL70B)</u>		<u>Male 25 (Modem)</u>
(RD) 2_____	2	(TD)
(TD) 3_____	3	(RD)
5_____	7	(GND)
	4	(RTS) _____
	5	(CTS) _____
	6	(DSR) _____
	8	(CD) _____
	20	(DTR) _____

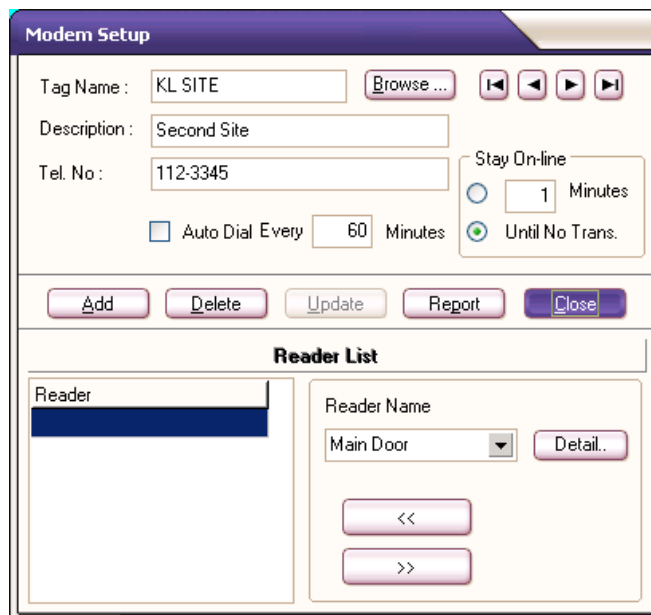
OR

<u>Male 9 (EL70B)</u>		<u>Male 9 (Modem)</u>
2_____	3	(TD)
3_____	2	(RD)
5_____	5	(GND)
	7	(RTS) _____
	8	(CTS) _____
	6	(DSR) _____
	1	(CD) _____
	4	(DTR) _____

2. Prepare modem and standard modem cable from PC to modem at E.WIN PC.
3. At remote site, on the modem first, then wait for a seconds, on the EL70B, you should see the modem set to AA (auto answer mode)
4. At E.WIN PC, edit C:\Program Files\EdotWin\ewdialer.ini. Set the comm. port where modem is linked, for example, if modem is linked to com 2:
[Comm Setting]
CommPort=2
5. At E.WIN Manager, go to Control menu > Modem



6. Click on 'Setup' button to add new remote site. (There are two sample sites defined by default, for demonstration purposes)

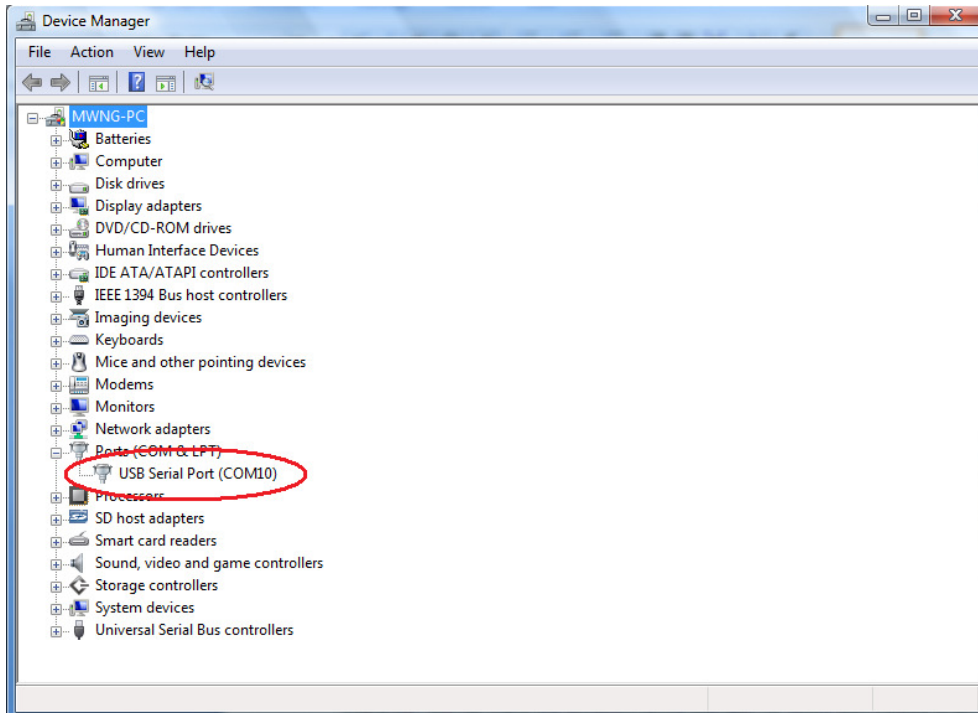


7. Click 'Add' button.
8. Key in the 'Tag Name', 'Description' and 'Telephone No.'
9. You can select 'Auto Dial Every N Minutes' is you want auto dial-up by E.WIN to the specific remote site every N minute. Otherwise, you can manual dial and hang-up from 'modem' screen.
Caution: enable this option only when you are very sure you want the feature. Leaving it running unattended for months can be disastrous – hefty phone bill will be right at your doorstep.
10. There are two options to limit the connection time to a site, you can choose either one for your application.
 - Stay on-line for only N number of minutes.
 - Stay on-line until there is no more transactions receive from the remote site.
11. You have to assign the controllers required for monitoring from remote site by using '<<' button to select.
12. Click 'Close; button to return to the previous page once finish setup.

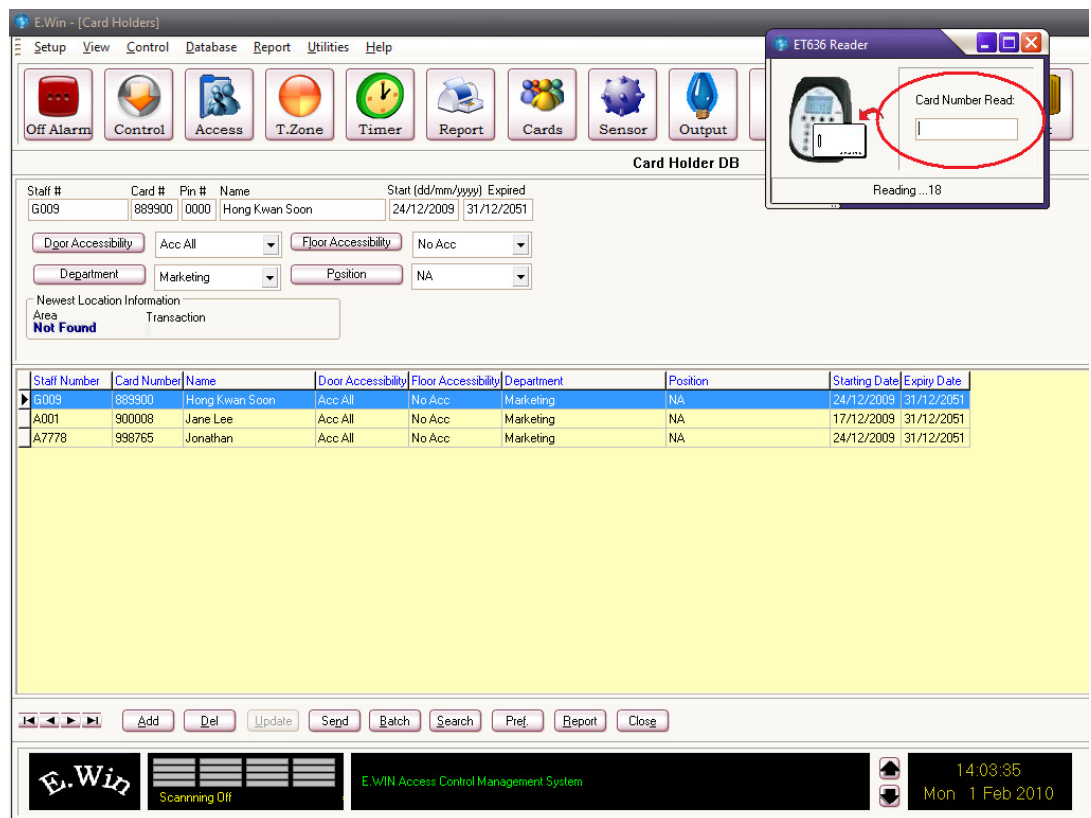
12.4 How to use ET636 for reading card directly into E.Win ?

ET636 is a USB based card reader that supports EM, MIFARE, etc card formats.

1. Install the USB driver of ET636.
2. You can check the Windows Device Manager for comm port created when ET636 is inserted into one of the USB port on your PC as shown below. ET636 has created a serial port COM 10.



3. Click on "My Computer", then select drive C:, then look for C:\Program Files\EdotWin folder. Double click on the file EdotWin.ini to edit (most likely it will bring up Notepad).
[Cards]
ET636CommPort=10
ET636Reader=1
4. Save and Exit from Notepad
5. Run E.WIN, go to Card Holder screen, you will see:



6. Badge a new card on ET636 will automatically insert the new record into Card database, change name or whatever fields you wish to change, then click 'Update' to save the record. You can repeat the steps for a stack of cards.
7. If the card badged already exists, E.WIN will bring up the record for you to edit, thus saving time to search the database for that record.

12.5 How to setup MIFARE duplicate cards management using ET636 ?

Due to the fact that MIFARE cards can be purchased from any suppliers, the serial number read from the cards quite often is not unique. Therefore, E.WIN has provided a method where the situation can be handled.

The trick is simple, We provide a special MIFARE ET636 card reader where the duplicate MIFARE cards will be mapped to new numbers. Because of that, all cards to be installed to the controllers will need to be read by this ET636 reader, and insert into E.WIN database to ensure the uniqueness of the card numbers.

To setup up E.Win for this purpose, first we get ET636 enabled and connected as explained in section 12.4 (Interface to ET636).

Then you need to turn on another flag in EdotWin.Ini for the purpose of maintaining MIFARE duplicate cards:

```
[Cards]
MIFAREDupCardDB=1
```

The special MIFARE ET636 card reader will maintain the mapping and you can add / delete cards as if you are using standard ET636 interface to insert cards, without the need to know the actual details how the duplicate cards mapped.

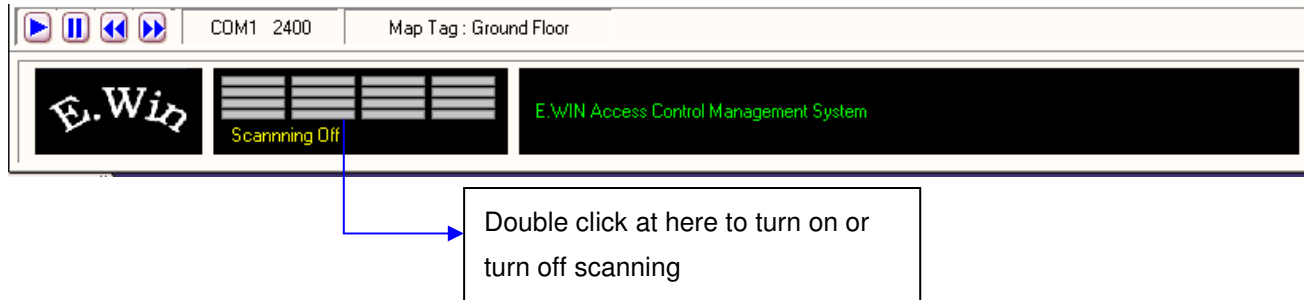
In additional to ET636 setup, you also need controllers that support the feature. Currently only EL1330 has the option. Make sure you have the right controllers before using this feature.

CHAPTER 13

13.0 MICELLANEOUS (HOW-TOS)

13.1 How to toggle between scanning on/off?

Transaction scanning can be on or off by double click at the scanning window as shown:



Alternatively, you can turn it on/off in the Setup/Preference/online scanning tab; just tick the check box [X] online scanning.

13.2 How to integrate E.WIN to E.TIME?

1. Install E.WIN.
2. Install E.Time
3. Run ET_Link.exe

After run ET_Link.exe, the following setting will be changed:

EDOTWIN.INI

[Access Report]

OntimePath=C:\Progra~1\EdotTime

[Options]

EWTMSDBPath=C:\Progra~1\edottime\database

EdotTime_Link=1

E.Time setting.ini

[License]

EnableEw2tms=1

13.3 How to enable E.WIN limited edition?

E.WIN can support up to 4 doors without software license key. After installation, E.WIN by default will detect key, if no key detected, it will go into demo mode. To enable to limited edition,

just add / edit following command at EdotWin.ini.

```
[Options]
LimitedEdition=1
```

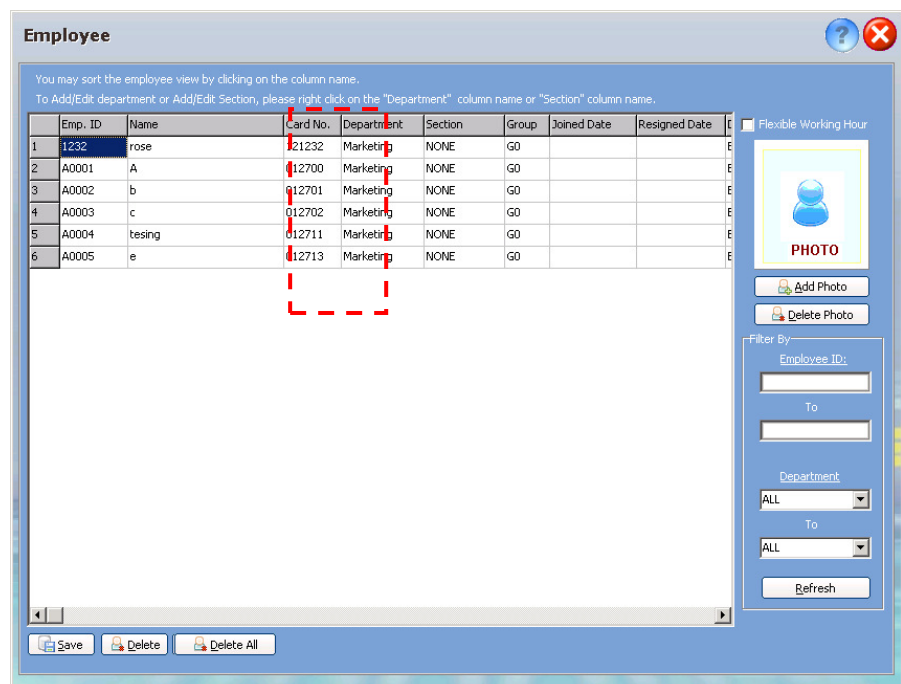
Alternatively, you can enable it through Setup/Preferences/Option tab, then tick the checkbox [X] Limited Mode. Bear in mind that under limited mode, no automatic comm port detection is performed. Therefore, go to Setup/Communication Setup screen, drop down the comm port combo box, and select the right comm port (most likely only 1 choice there).

If you are not sure which comm, go to Control Panel | System | Device Manager | Ports (COM & LPT), pull out EL70Y USB connector, see which comm is missing; then confirm again when insert back the USB connector.

13.4 How to migrate from Chronos to E.Time

Chronos is single shift software while E.Time can handle multiple shifts. Thus, E.Time needs more settings.

- 1 Install E.Time first, then follow by ET_link.exe.
- 2 Run E.WIN Manager and click on 'Attendance' button, the time attendance now will change to E.Time. Below is the parameter need to set in E.Time: (Please refer to E.Time manual for more details)
 - Assign group number for each employee. (You can try to edit the staff information at E.WIN card database and run attendance again if the employee information not transfers to E.Time properly).



- Set the working schedule for each shift group at 'Setting' menu.

Working Schedule

Common Settings for all schedule <<Advance

Employees are required to punch in and out for OVERTIME(OT): Yes No
 Flexible Meal Hour: Yes No

Settings for particular schedule

Schedule ID: a Description: a

Clocking Time
Please fill in the actual working hour:

In	Meal Out	Meal In	Out	OT Start	OT End
08:30	12:30	13:30	17:30	18:00	23:00

Clocking Range

	From	To
In Time	23:01	11:59
Meal Out Time	12:00	13:00
Meal In Time	13:01	14:00
Out Time	14:01	17:59
OT Time	18:00	23:00

Rest Day

Off day

Additional

Allowed Late-in minutes: 15 minutes OT Minimum: 15 minutes
 Allowed Early-out minutes: 15 minutes OT Rounding: 0 minutes

Calculation Formula: Default Define

Deduct Meal Hour? Yes No

- Assign shift time table for every group of employee by using duty roster.

Duty Roster

Assign Schedule by:
 By Group By Individual

Month: January Year: 2010

Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
G0	OFF																					
G1																						
G2																						
G3																						
G4																						
G5																						
G6																						
G7																						
G8																						
G9																						

Restday and Offday Holiday Today

Working Hour: OFF Off Day In: 08:30 MO: 12:30 MI: 13:30 Out: 17:30 OT In: 18:00 OT Out: 23:00

If do not have any schedule assigned, the attendance will be processed based on default Schedule. Default Schedule

- 3 Export the transaction from E.WIN.
- 4 At E.Time, import the data that previously exported from E.WIN. (in ETWIN format)
- 5 After importing the clocking data, E.Time will automatic reprocess the attendance according to the setting in E.Time.

13.5 How to upgrade from EsfWIN

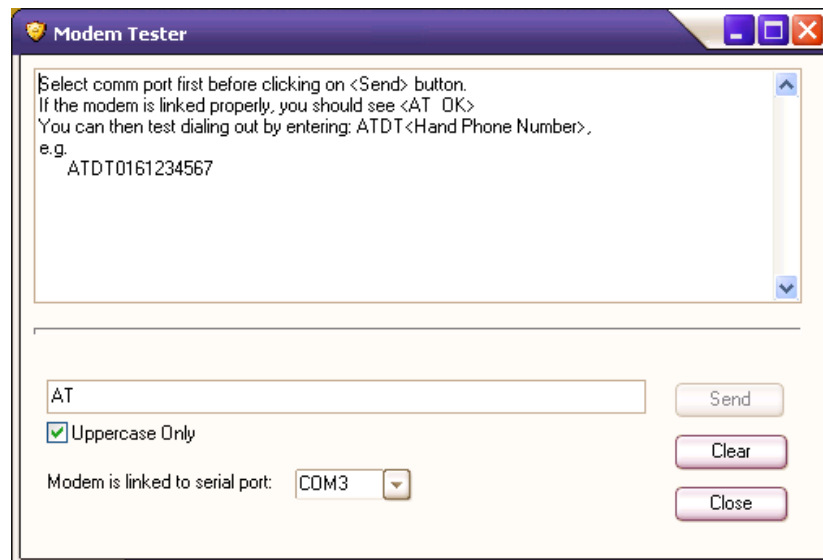
1. Install E.WIN to the PC
2. Rename the EdotWin folder, for example, EdotWin_1
3. Rename the EsfWIN folder to EdotWin.
4. Copy all the .dll, .ini and .exe file from the new installed EdotWin (which has already rename to EdotWin_1) to the EdotWin folder (which rename from EsfWIN) and replaced the existing file.

Please take note that E.WIN uses E.Key which is different from the old EsfKey. Thus, if you have more than 4 controllers and using EsfKey all this while, remember to get the EL70Y and E.Key before upgrading to E.WIN.

13.6 How to test a remote site linked by modem?

In E.WIN Manager, there is a feature that can test the modem, called 'Modem Tester'

1. Go to Control Menu > Modem Tester.



2. Select the serial port that modem is linked.
3. Send 'AT' command, if modem is connected properly, <AT OK> will be shown on the screen.
4. Try to dial the remote site by using ATDT command.

13.7 How to access E.Win through web browser (IE)?

1. Enable the web server service by setting the EdotWin.ini at the E.WIN PC.
[Web Server]
WebEnabled=1
2. Point to the web browser from the PC that networked to E.WIN.
3. Enter the IP address of E.WIN PC as URL. e.g. E.WIN PC has the IP of 128.100.34.55, then you should enter URL as <http://128.100.34.55>.

4. By default, E.Win Tiny Web Server is listening on standard port 80, if you prefer to let it listen on other port, you can define in EdotWin.Ini, say, port 8080:

```
[Web Server]
```

```
IPPort=8080
```

Then you need to point your browser to URL as <http://128.100.34.55:8080>

CHAPTER 14

14.0 FREQUENT ASKED QUESTIONS

14.1 Why no transaction is retrieved after I cold started a controller?

After cold start a controller, the controller date and time will reset to (9/9/1989 00:01), which the date and time not recognize by E.WIN. E.WIN will automatic filter the transaction of un-recognize date / time. Thus, everytime after cold start the controller; please make sure send the date / time from E.WIN to controller.

14.2 Do I need license for using Chronos ? How about E.Time ?

E.WIN/0, free version which support up to 4 doors only allowed integrating with Chronos. E.WIN with license can integrate with either Chronos or E.Time without purchase TMS license separately.

14.3 When try to send timer to controller, error message shown on software 'timer not found in the controller'

It is due to timer table corrupted. It can be solved by either re-create a new timer with new timer entry or send back the database for fixed.

14.4 How to turn on E.WIN debugging mode?

E.WIN will log the activities to a log file. This log file can be found in E.WIN folder, the file name is TRC_YYMM.log, which YY is the year and MM is the month. You can check any abnormality of software from this log file. By default, the debugging mode is off.

E.WIN can also run in debugging mode which will log more information and tells what have been happen in E.WIN software. This mode can be enabled by adding below command in EdotWin.ini.

```
[Options]
Debug=21
```

It is recommended to turn on debugging mode only when you face serious problem. Remember to turn off the debugging mode after run the E.WIN and generate the problem. You can send the log file to ELID for analysis if you unable to read the content of log file.

Below is an example of log file for default debug level and high debug level when run the software without license key and limited edition is disabled.

Log file when debug mode is off

08/02/10 21:58:27 E.Win Manager 2.0.7.43 Started.
08/02/10 21:58:27 Paradox Database
08/02/10 21:58:28 <SaveIniInfo1>Unable to open com port: COM1
08/02/10 21:59:01 <GetLEK.3> Unable to open com port: COM1

Log file when debugging mode is on

08/02/10 22:01:10 E.Win Manager 2.0.7.43 Started.
08/02/10 22:01:10 Paradox Database
08/02/10 22:01:10 Trans.db found, recreate indexes.
08/02/10 22:01:10 Clr_s=NAVY
08/02/10 22:01:10 Clr_s=LIME
08/02/10 22:01:10 E.Time Link
08/02/10 22:01:10 EWTMS - All In/Out ON
08/02/10 22:01:10 Carparkcounters=
08/02/10 22:01:10 <saveini> max unit=16,
08/02/10 22:01:10 <SaveIniInfo1>Unable to open com port: COM1
08/02/10 22:01:10 D.Mode = 21 Path=C:\Program Files\EdotWin\
08/02/10 22:01:10 OS = Windows NT 5.1 (Build 2600: Service Pack 2)
08/02/10 22:01:10 H/D = 74 GB Free: 41744 MB
08/02/10 22:01:10 RAM = 893 MB
08/02/10 22:01:10 Total Cards = 8
08/02/10 22:01:12 EMain.FCr.End
08/02/10 22:01:12 MapPanel.FCr.End
08/02/10 22:01:12 Serial: COM3
08/02/10 22:01:17 []
08/02/10 22:01:17 COM3: No E.Key Found.
08/02/10 22:01:35 <saveini> max unit=16,/0
08/02/10 22:01:35 <GetLEK.3> Unable to open com port: COM1

Appendixes

Appendix A : Card Import Text Format (Comma Delimited)

OC,SN,C,N,D,JT,M,P,AL,SD,ED

<u>Code</u>	<u>Description</u>	<u>Length</u>	
OC	Operation Code (A=Add, D=Delete)	1	
SN	Staff Number	12	
C	Card Number	6	
N	Name	20	
D	Department	25	
JT	Job Title	25	
M	Miscellaneous	20	Optional
P	Pin	4	
AL	Access Level	12	
SD	Start Date	8	
ED	Expiry Date	8	

For example, A,T0001,038880,Johnson Lim,Marketing,Manager

Appendix B : Transaction Export Format

Text Format

There are three format supported depend on the condition set in EdotWin.ini

If EDotWIN.INI.Timeclock=1 then

Format 3

Else if EdotWIN.INI.EsofproTrans=1 then

Format 1

Else

Format 2

Format 1 (EsofproTrans=1 in EdotWin.ini) (*.ASC)

<u>Column Name</u>	<u>Type</u>	<u>Length</u>
<Controller Tag>	Char	8
<Date>	Char	4
<Time>	Char	4
<Card Number>	Char	6
<Name>	Char	20
<Staff Number>	Char	12
<Department>	Char	8
<Job Title>	Char	8
<Transaction Code>	Char	1

Format 2 (EsofproTrans=0 in EdotWin.ini, by default) (*.ASC) :

<u>Column Name</u>	<u>Type</u>	<u>Length</u>
<Controller Tag>	Char	12
<Date>	Char	4
<Time>	Char	4
<Card Number>	Char	6
<Name>	Char	20
<Staff Number>	Char	12
<Department>	Char	25
<Job Title>	Char	25
<Transaction Code>	Char	1

Format 3 (TimeClock=1 in EdotWin.ini) (*.DAT) :

<u>Column Name</u>	<u>Type</u>	<u>Length</u>
<Clock Number>	Char	12
<Date>	Char	6
<Time>	Char	4
<Card Number>	Char	6
<Job Code>	Char	3
<Transaction Code>	Char	1

Excel format

- Column 1 : Device Name
- Column 2 : Date
- Column 3 : Time
- Column 4 : Card Number
- Column 5 : Name
- Column 6 : Staff Number
- Column 7 : Department
- Column 8 : Position
- Column 9 : Transaction
- Column 10 : Transaction Code

	A	B	C	D	E	F	G	H	I	J
1	Device Name	Date	Time	Card Number	Name	Staff Number	Department	Position	Transaction	Tran.Code
2	Main Door	26/01/2010	15:32	012410	D	A04	Marketing	Executive	0 Valid Entry	C
3	Main Door	26/01/2010	15:32	012817	C	A03	R&D	Engineer	0 Valid Entry	C
4	Main Door	26/01/2010	15:32	020174	B	A02	HR	Executive	0 Valid Entry	C
5	Main Door	26/01/2010	15:32	012454	A	A01	Marketing	Manager	0 Valid Entry	C