



# ST-680

## Network Proximity Access Control Software Operation Manual

(For Windows 98/2000)

v3.2



**SOCA TECHNOLOGY CO.,LTD.**

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# 1. Installation

## 1.1 Hardware requirements :

1. One IBM compatible PC (at least 586 and above), including mouse and CD-ROM.
2. Minimum **32MB** RAM.
3. Minimum **10MB** disk space. Require more disk space if storing large volume of historical data.
4. One communication port for access control system.

## 1.2 Software requirements :

1. Operation System : Minimum **Windows 98 、 2000**.
2. **800 x 600** solutions

## 1.3 Installation steps :

1. Close all working applications(all anti-virus agents should be closed prior to installation), and open SAC-680v302\INSTALL (Figure1.1).
2. Run **Setup.exe** (Figure 1.2).

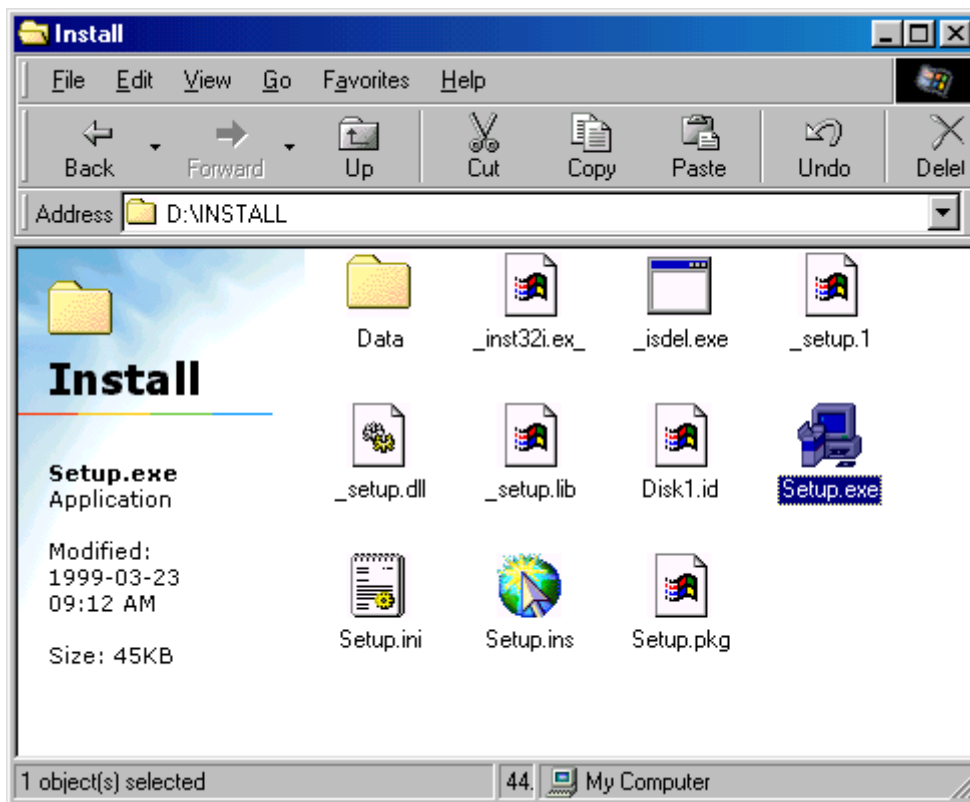


Figure 1.1 、 CD-ROM content

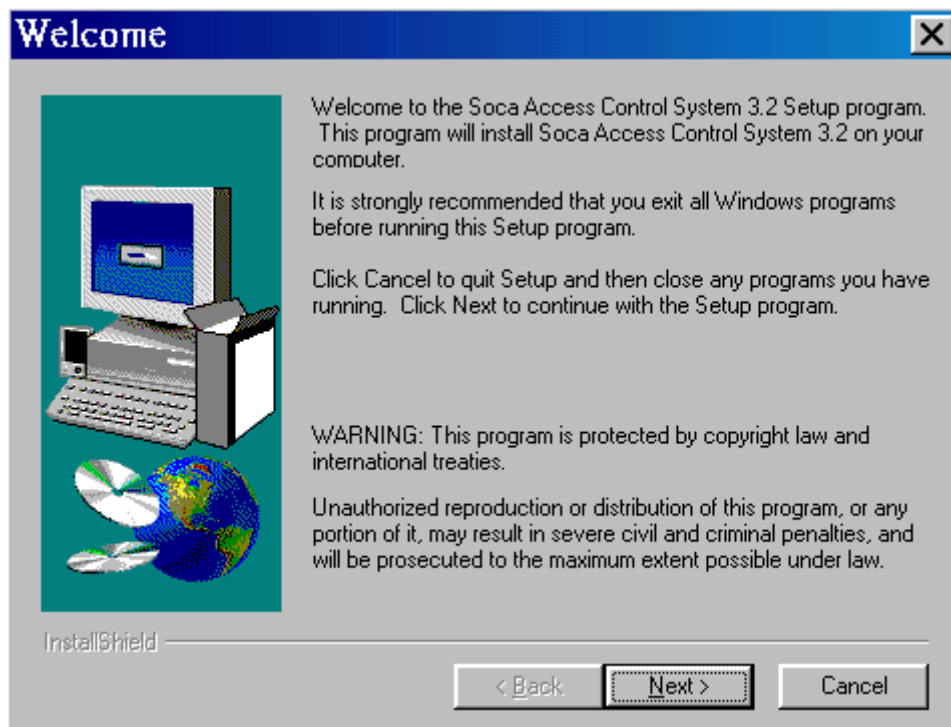


Figure 1.2 、 Setup frame

3. When Figure1.2 appeared, click **Next** to continue.
4. Any change of installation directory(**Figure1.3**). Click Browse... or select another directory(**Figure1.4**).

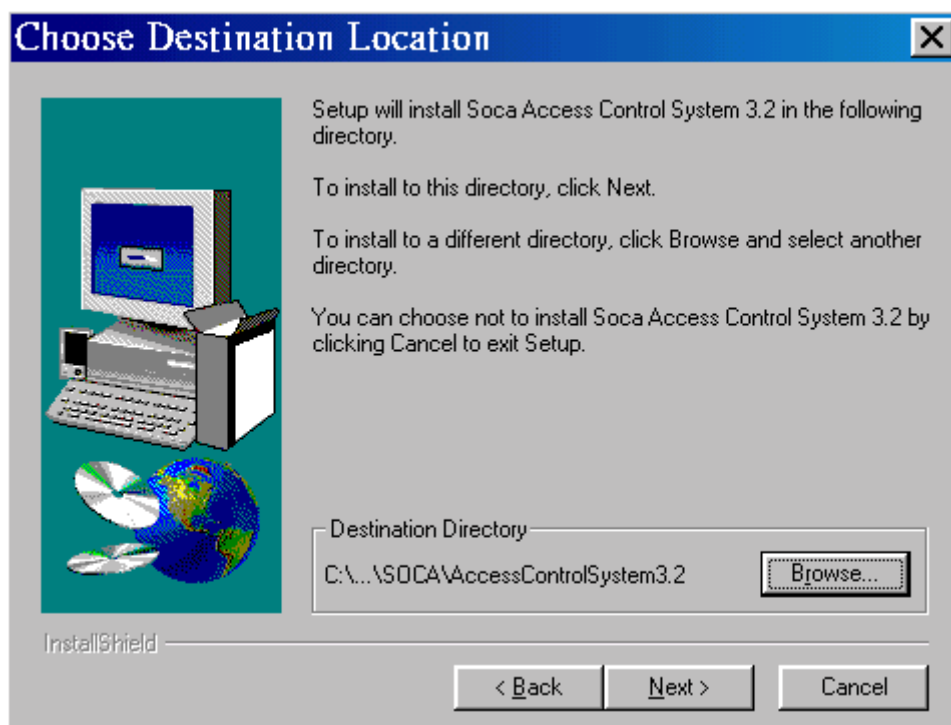
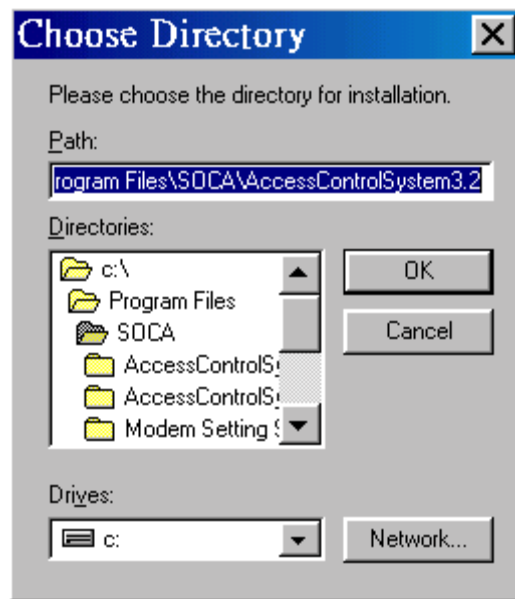
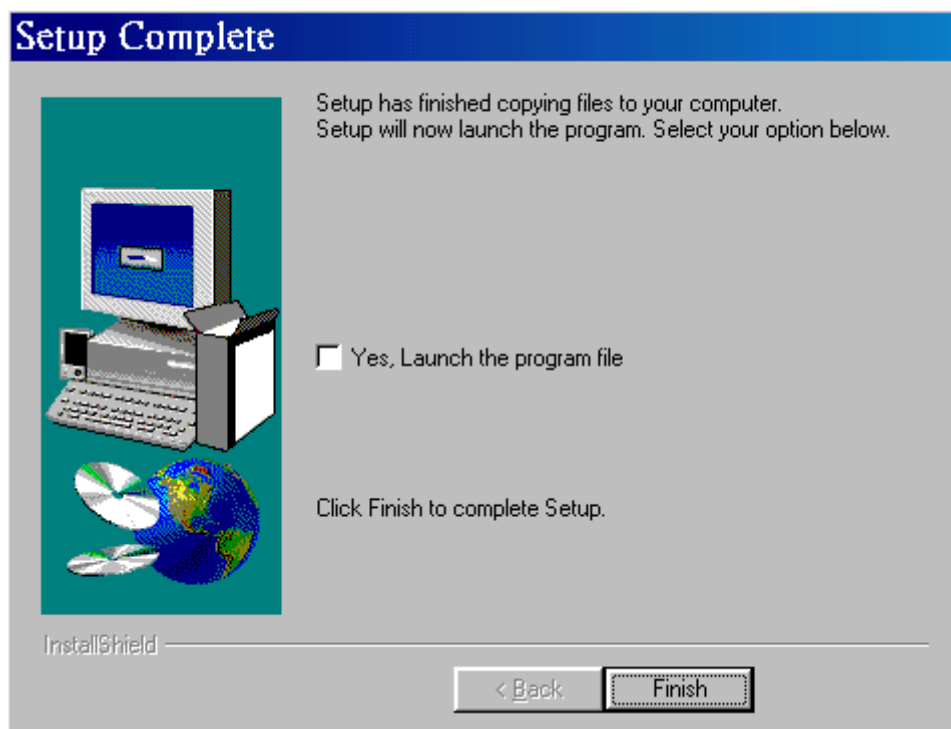


Figure 1.3 、 Change installation directory



**Figure1.4** 、 Select another directory

5. When Figure1.5 appeared, Click **Finish** to complete setup.



**Figure 1.5** 、 Installation completed

## 2、Running Application

### 2.1 Software and Hardware

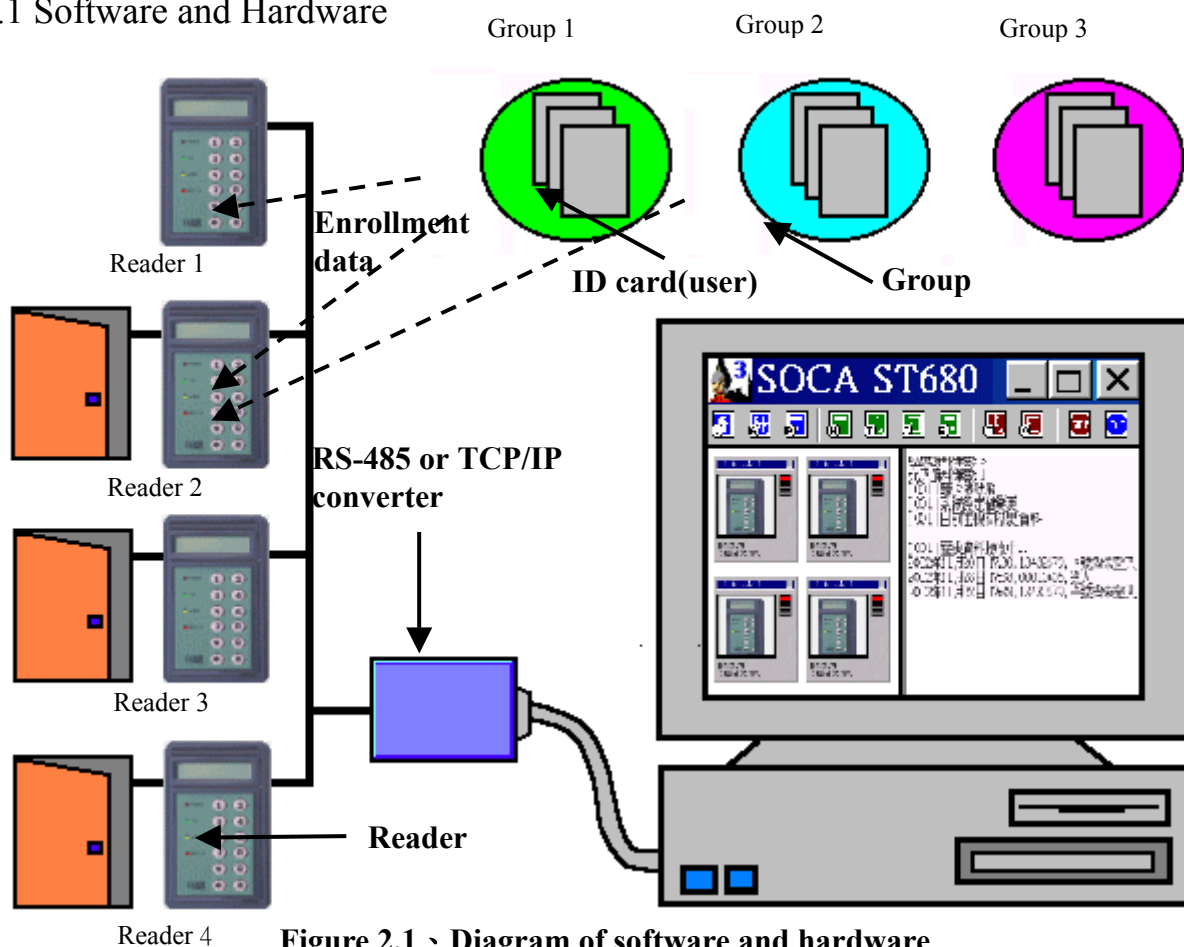


Figure 2.1、Diagram of software and hardware

### 2.2 Enter Access Control System

1. Click Star\Programs\AccessControlSystem3.2\Soca Access Control System

 3.2 or Soca Access Control System 3.2.lnk on desktop.

2. When Figure 2.2 appeared, enter Account No. : **USER** (default), Password : **0000** (default).

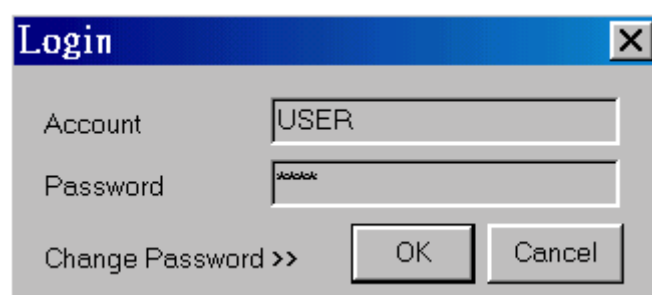


Figure 2.2、Login

3. Click **Change Password**<<to change a new password (Figure 2.3), and use new

password for next login (Figure 2.4).

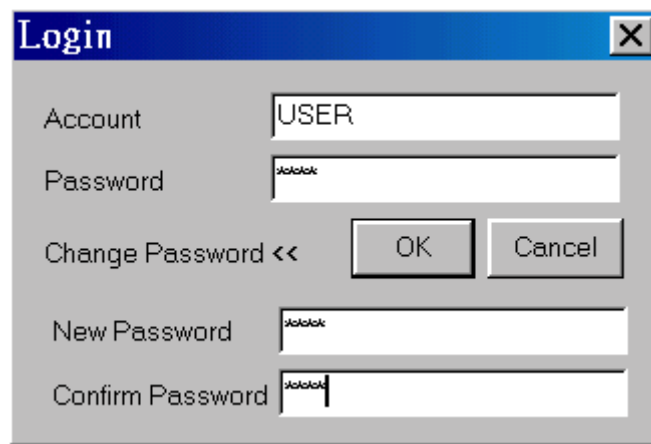


Figure 2.3 、 Change Password



Figure 2.4 、 Completed

4. Entering the system successfully when Figure 2.5 appeared.

### 2.3 System Mainframe

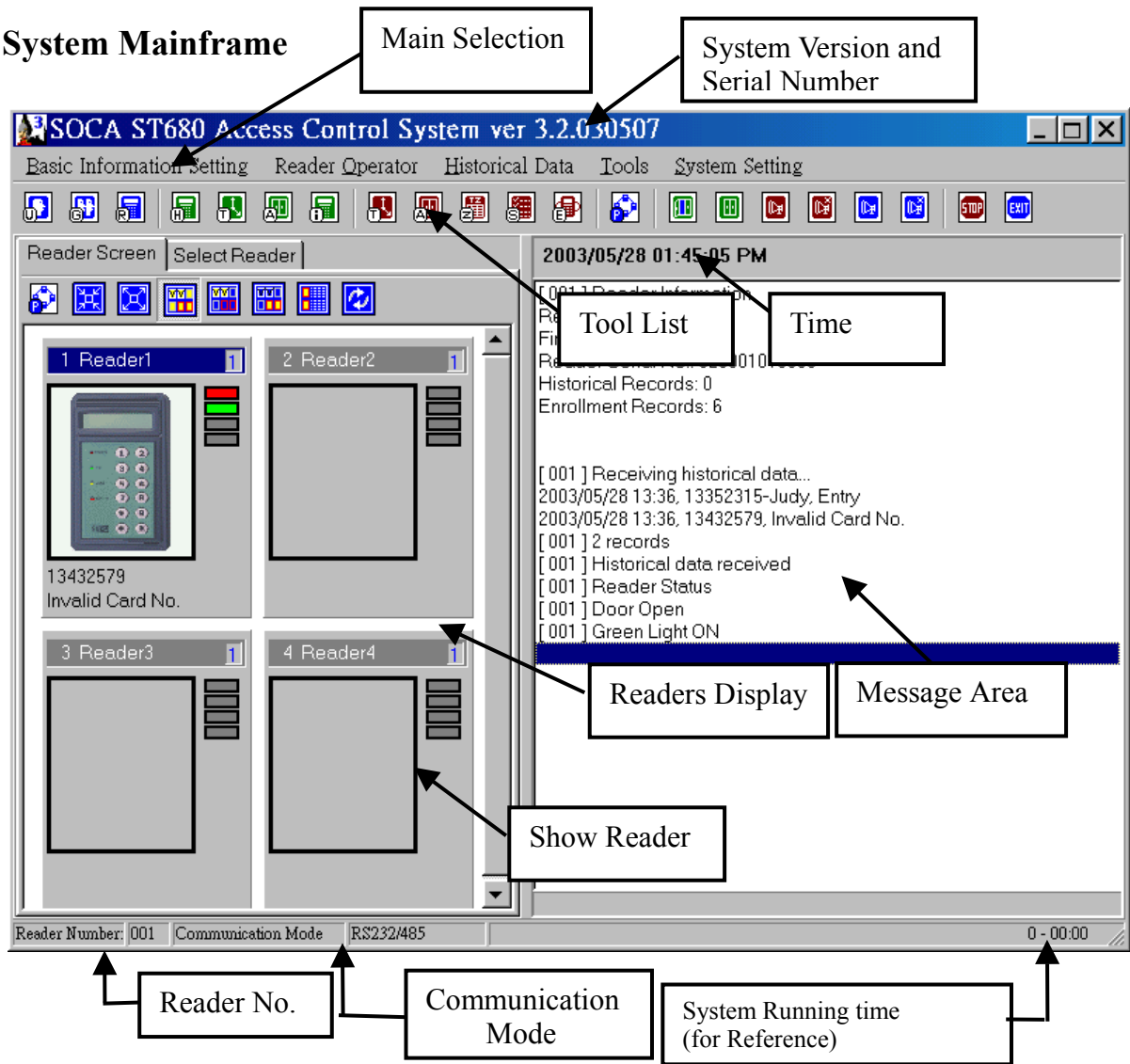


Figure 2.5 · System Mainframe



## 2.3.1 Main Selections

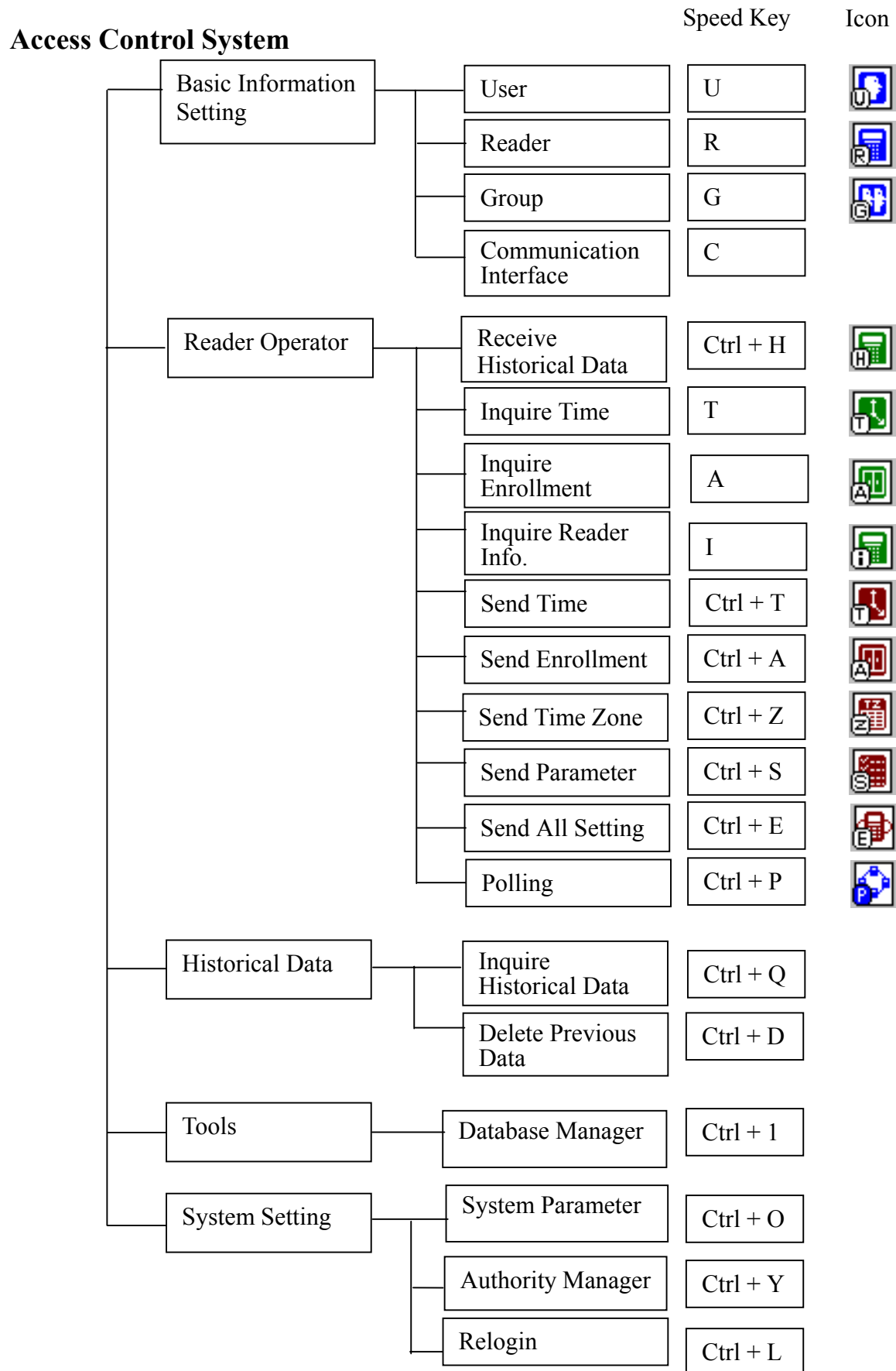


Figure 2.6、 Main Selections

## 2.3.2 Tool bar

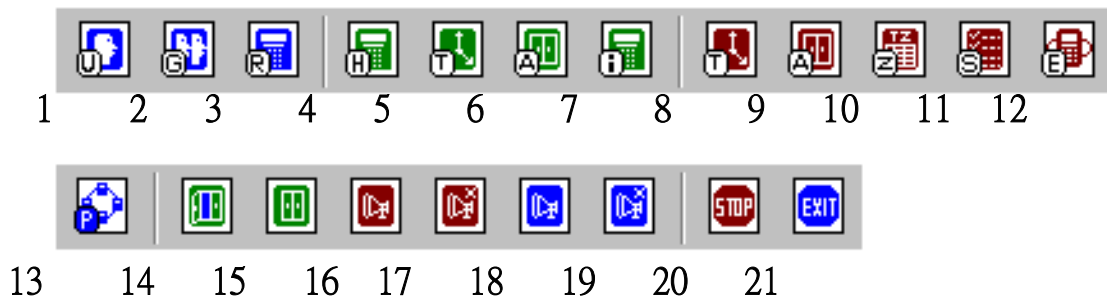


Figure 2.7 、 Tool bar

1. **User Setting** : Please refer to **3.1.1 User** setting.
2. **Group Setting** : Please refer to **3.1.2 Group** setting.
3. **Reader setting** : Please refer to **3.1.3 Reader** setting.
4. **Receive Historical Data** : Please refer to **3.2.1 Receive Historical Data** function.
5. **Inquire Reader Time** : Please refer to **3.2.2 Inquire Time** function.
6. **Inquire Reader Enrollment** : Please refer to **3.2.3 Inquire Enrollment** function.
7. **Inquire Reader Information** : Please refer to **3.2.4 Inquire Reader Information** function.
8. **Send Time To Reader** : Please refer to **3.2.5 Send Time** function.
9. **Send Enrollment To Reader** : Please refer to **3.2.6 Send Enrollment** function.
10. **Send Time Zone** : Please refer to **3.2.7 Send Time Zone** function.
11. **Send Parameter To Reader** : Please refer to **3.2.8 Send Parameter** function.
12. **Send All Setting To Reader** : Please refer to **3.2.9 Send All Setting Date** function.
13. **Polling** : Please refer to **3.2.10 Polling** function.
14. **Open Door** : Please refer to **2.3.3 Reader Operator**.
15. **Close Door** : Please refer to **2.3.3 Reader Operator**.
16. **Alarm On** : Please refer to **2.3.3 Reader Operator**.
17. **Alarm Off** : Please refer to **2.3.3 Reader Operator**.
18. **Anti-Duress Alarm On** : Please refer to **2.3.3 Reader Operator**.
19. **Anti-Duress Alarm Off** : Please refer to **2.3.3 Reader Operator**.
20. **Stop** : To stop the operation of readers.
21. **Exit** : To exit the system. Stop Polling first before exiting the system.

### 2.3.3 Reader Operator

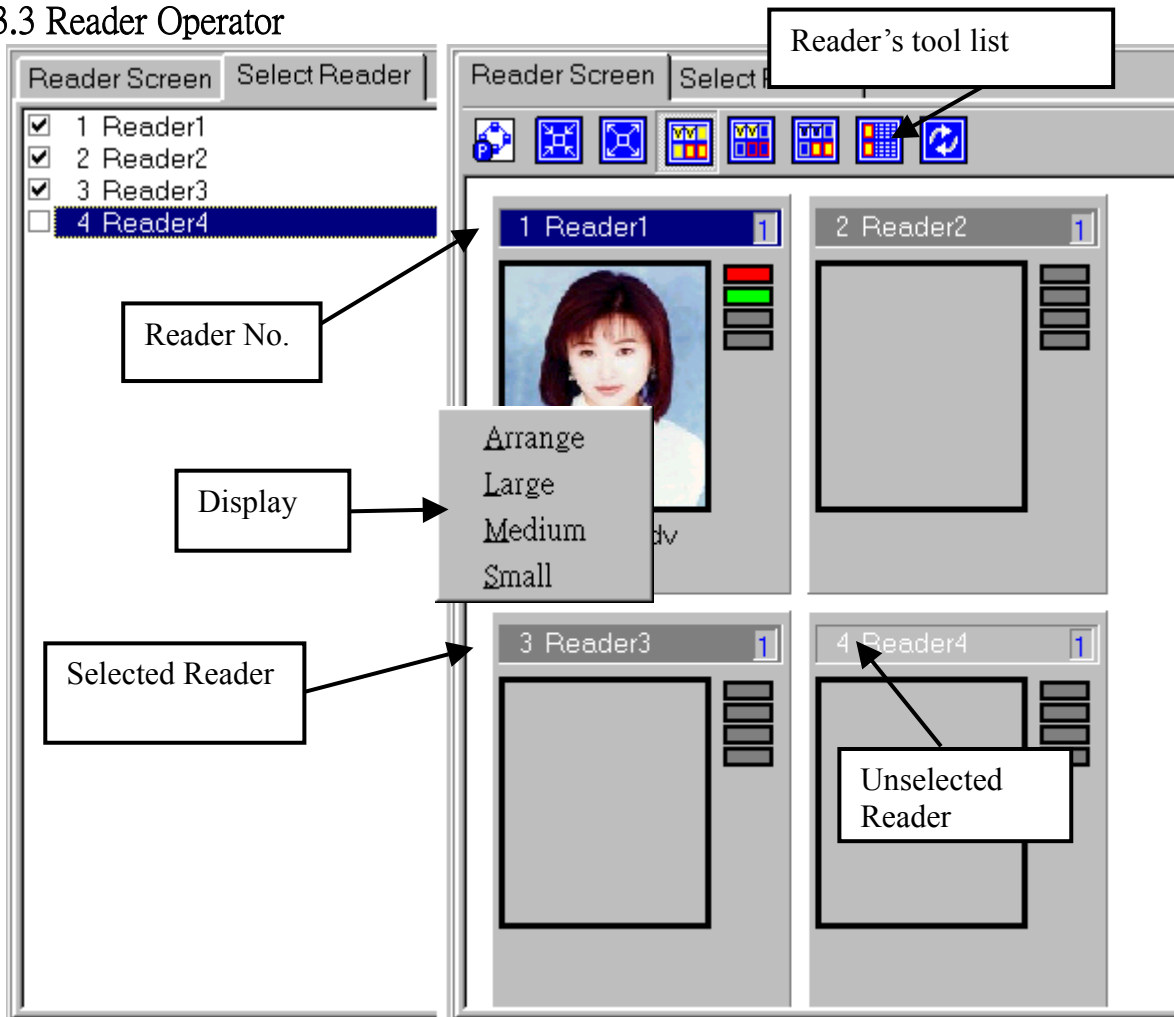


Figure 2.8 · Reader Display

Reader Display shows all online readers and all their data.

#### Reader Display tool bar

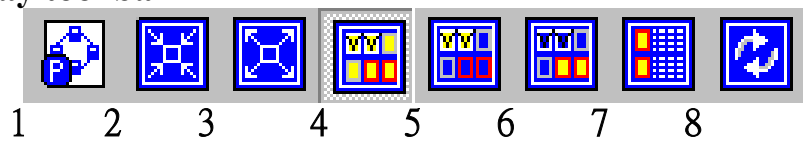


Figure 2.9 · Reader Display tool bar

1. **Polling**  
Select reader to receive online data.
2. **Minimize Reader Display**
3. **Maximize Reader Display**
4. **All Reader**  
List all readers.
5. **Monitor Reader**  
List all selected readers which are under monitoring.
6. **Reader Error**  
All errors will be listed when the following situation occurred:

- (1) Any selected reader did not respond when polling is mode.
- (2) Alarm or anti-duress alarm is being activated.

**7. Error Message**

**8. Refresh**

**Display Function**

**1. Arrange Icon**

Rearrange the readers by sizes.

**2. Large**

Display all readers in normal size.

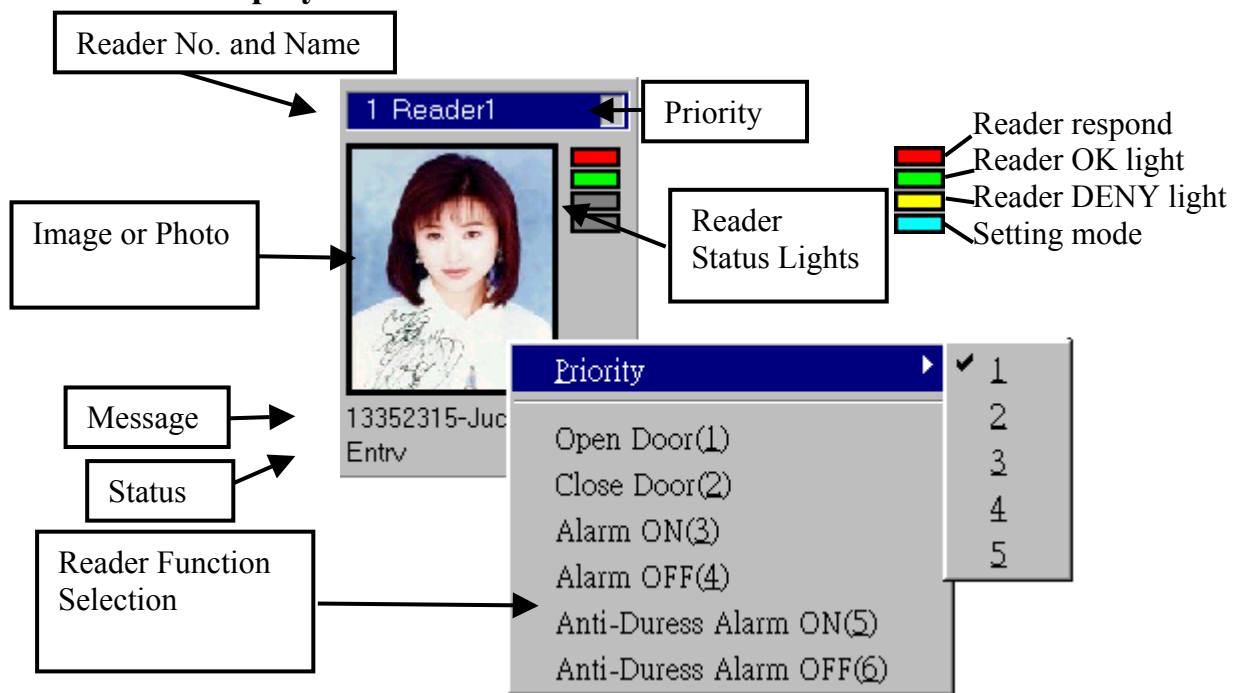
**3. Medium**

Hide all readers' status.

**4. Small**

Minimize all readers to the smallest.

**Reader display**



**Figure 2.10 · Reader display**

**Reader Error Status**



**Figure 2.11 · Reader Error Status**

## Reader Function Selections

### 1. Priority

Setting priority of selected readers.

Example:

Reader	Priority
Reader 1	1
Reader 2	2
Reader 3	4
Reader 4	3
Reader 5	2

When polling, all information received will be arranged as :

Reader 1

--

Reader 1

Reader 2

Reader 5

--

Reader 1

Reader 2

Reader 4

Reader 5

--

Reader 1

Reader 2

Reader 3

Reader 4

Reader 5

### 2. Open Door

### 3. Close Door

### 4. Alarm On

### 5. Alarm Off

### 6. Anti-Duress Alarm On

### 7. Anti-Duress Alarm Off

#### 2.4 Frequent Functions

##### 2.4.1 Right click the mouse

##### 2.4.2 Basic Information Setting

Setting all reader's basic information. **(Figure 2.13)**All settings can be made using the frequent functions or tool bars as below.

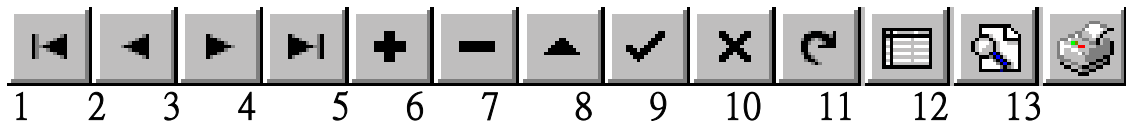


Figure 2.12 、 Basic Information Setting

- |                |                      |
|----------------|----------------------|
| 1. First(Data) | 9. Cancel Edit       |
| 2. Previous    | 10. Renew            |
| 3. Next        | 11. Edit Mode Switch |
| 4. Last(Data)  | 12. Find Data        |
| 5. Add         | 13. Print Report     |
| 6. Delete      |                      |
| 7. Edit        |                      |
| 8. Save        |                      |

Current Position →

▶	1	Reader 1	COM1
	2	Reader 2	192.168
	3	Reader 3	COM1
	4	Reader 4	COM1

Figure 2.13 、 Data Column

※ Special Keys :

**Insert** : Add new data.

**Ctrl + Delete** : Delete selected data.

**Esc** : Cancel previous selection.

**F2** : Alter or change selected data.

**Page Up**

**Page Down**

**Ctrl + Home**

**Ctrl + End**

**Ctrl + Page Up**

**Ctrl + Page Down**

**Alt + F4** : Exit Edit.

**Normal Mode** : Unable to edit data in data column.

12. Find Data

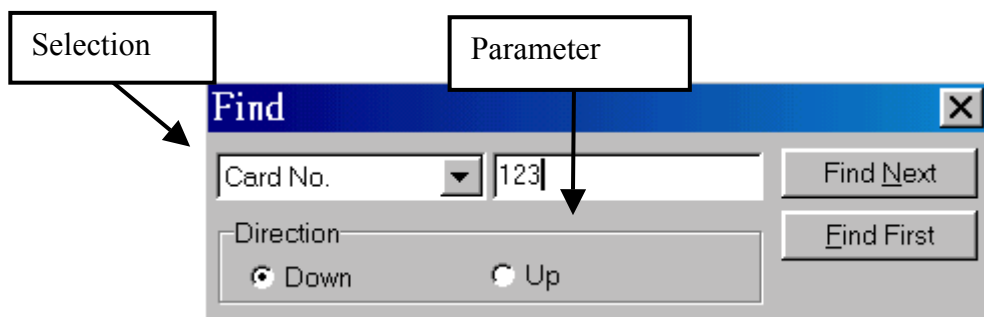


Figure 2.14 、 Find

### 2.4.3 Report Tool Bar

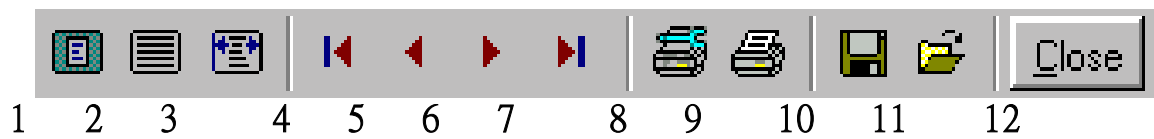


Figure 2.15 、 Report Tool Bars

1. **Whole Page**
2. **Normal Page**
3. **Maximum Page**
4. **First Page**
5. **Previous Page**
6. **Next Page**
7. **Last Page**
8. **Printer Setting**
9. **Start Printing**
10. **Save as File**  
Save all data as file to be used for other programs.
  - (1)QuickReport file(\*.QRP)
  - (2)Text file (\*.TXT)
  - (3)Comma Separated (\*.CSV)
  - (4)HTML document (\*.HTM)
11. **Open File(\*.QRP)**
12. **Close**

### 3. Main Selection Functions

Setting user's names, user IDs, passwords, groups, photos, and as follows:

#### 3.1 Basic Information Setting

##### 3.1.1 User

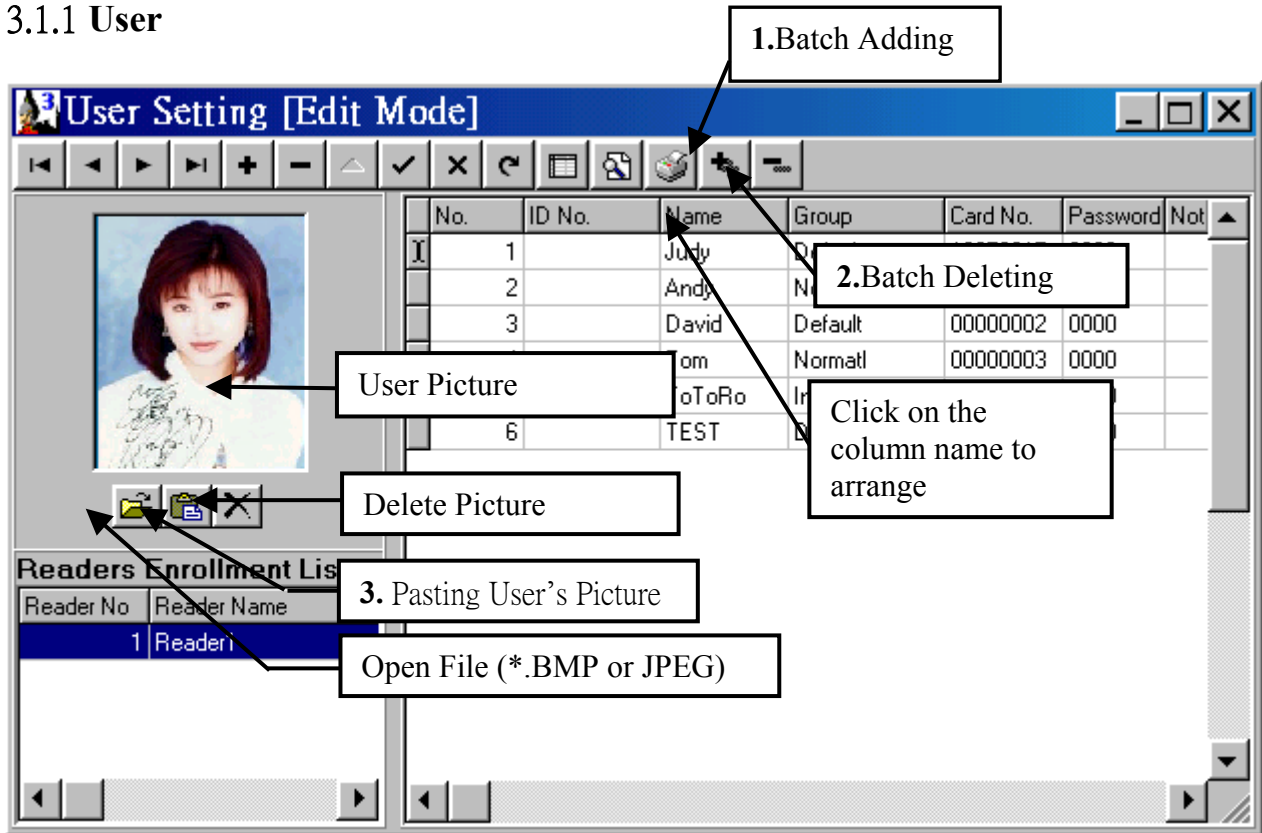


Figure 3.1 · User Setting

#### 1. Batch Adding

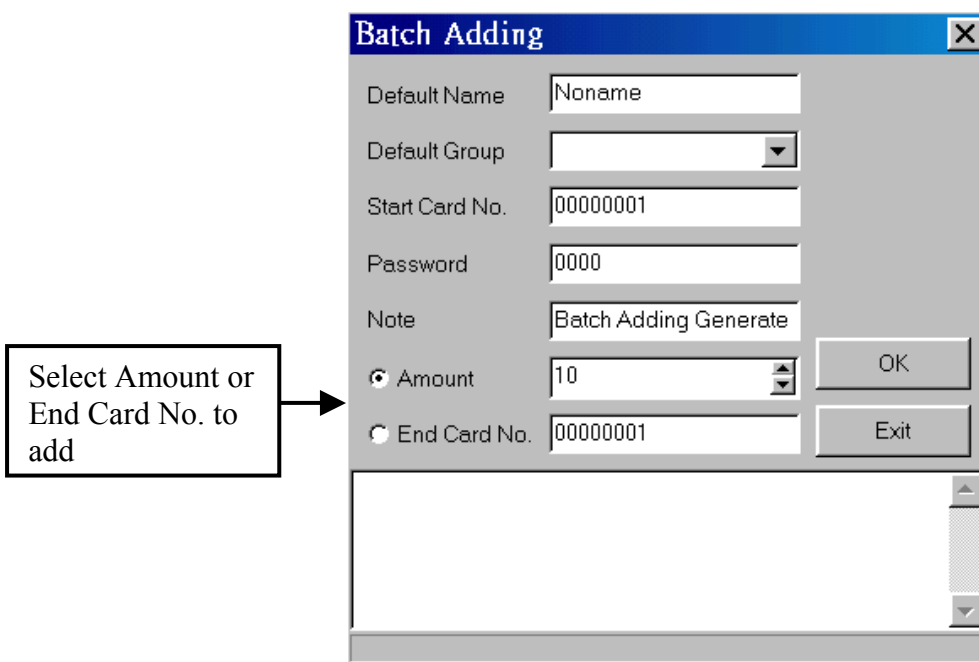


Figure 3.2 · Batch Adding



## 2. Batch Deleting

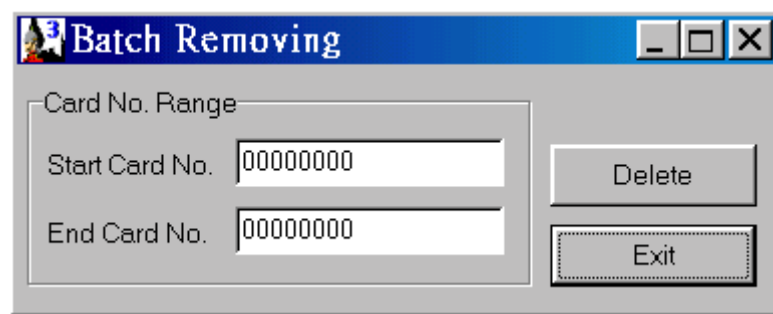


Figure 3.3 · Batch Deleting

Example : Start Card No.: 00000003, End Card NO.: 00000005.  
00000003,00000004,00000005 will be delete.

## 3. Pasting User's Picture

Running any image making software to load user's picture.

### 3.1.2 Group

Sorting all users according to their categories into different groups.

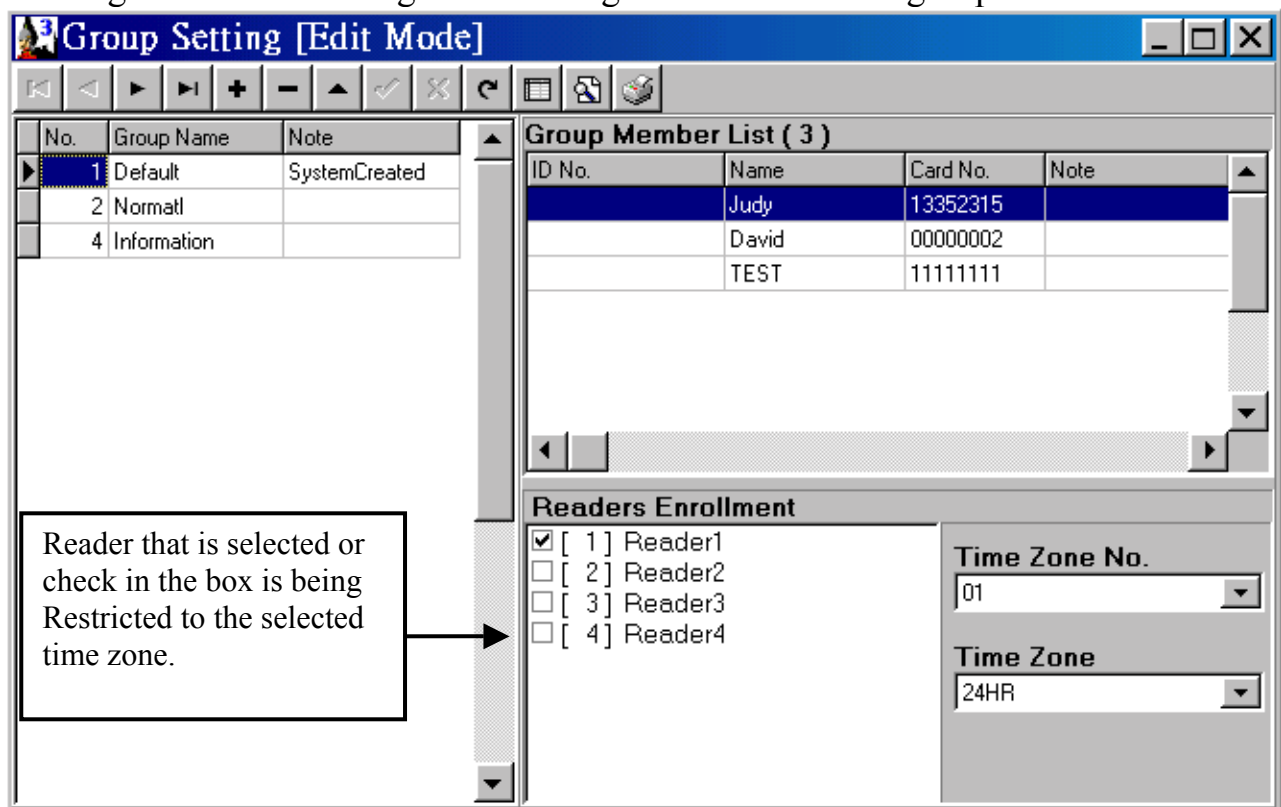


Figure 3.4 · Group Setting

### 1. Delete Group

All users are being arranged according to their categories. Deleting group would cause deletion of all users in the selected group. Do not attempt to delete **Default Group** that eventually cause parameter of Default group unstable.

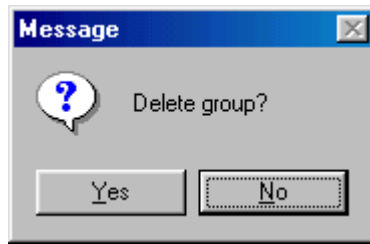


Figure 3.5 · Delete Group

### 3.1.3 Reader

All information being set will send to all readers. The information is being categorized as below:

- (1)Parameter
- (2)Holiday
- (3)Time Zone(up to 48 time zone no.)

※ All settings are being done would be saved in the program. User must send all valid settings by clicking on **Reader Operator's** send function to complete all data settings.

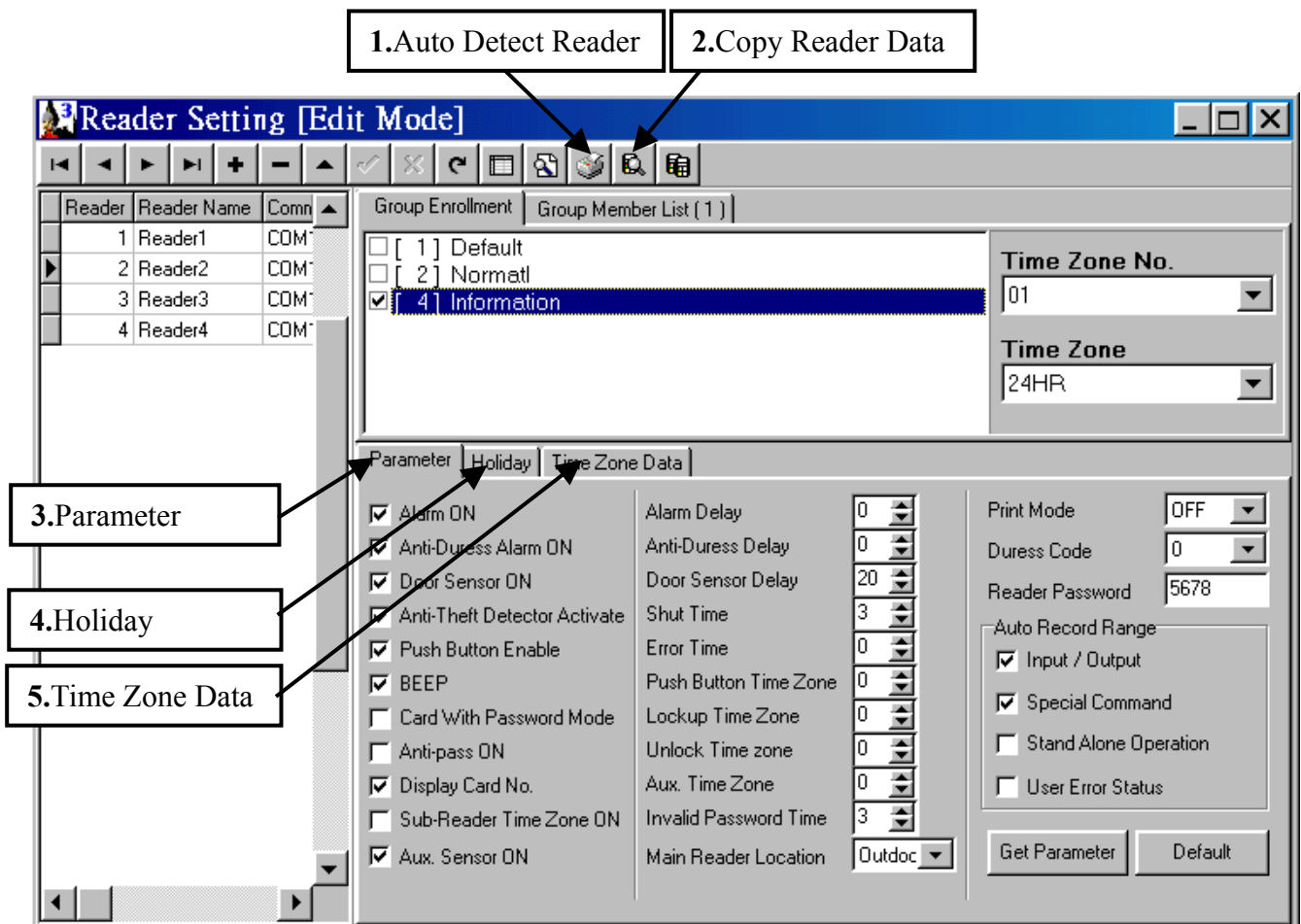


Figure 3.6 · Reader Setting

## 1. Auto Detect Reader

To detect the number of reader under selected communication interface.  
Search range could be done manually up to 255 readers.

※All readers' ID number shall be set without any repetition(refer to Function 10, page 10, Operation and Installation Manual) to avoid failure of detecting the accurate number of readers.

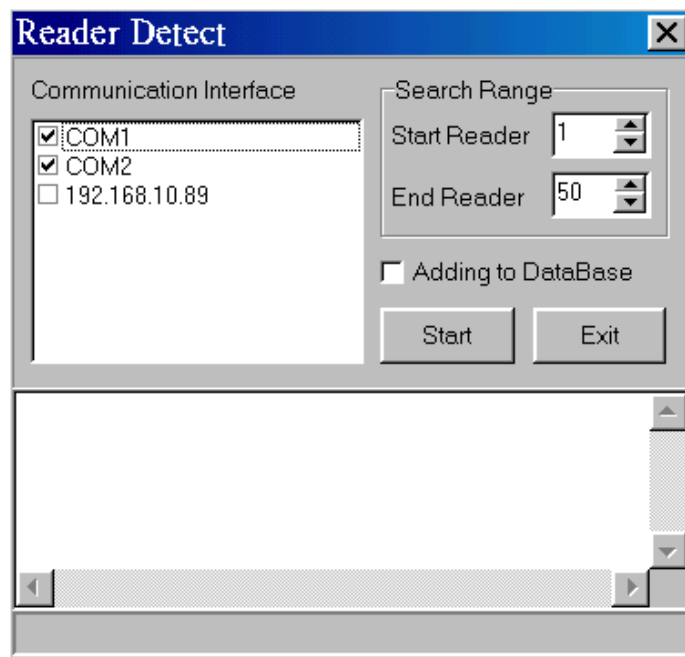


Figure 3.7 、 Auto Detect Reader

## 2. Copy Reader Data

Copy selected reader's data to another reader.

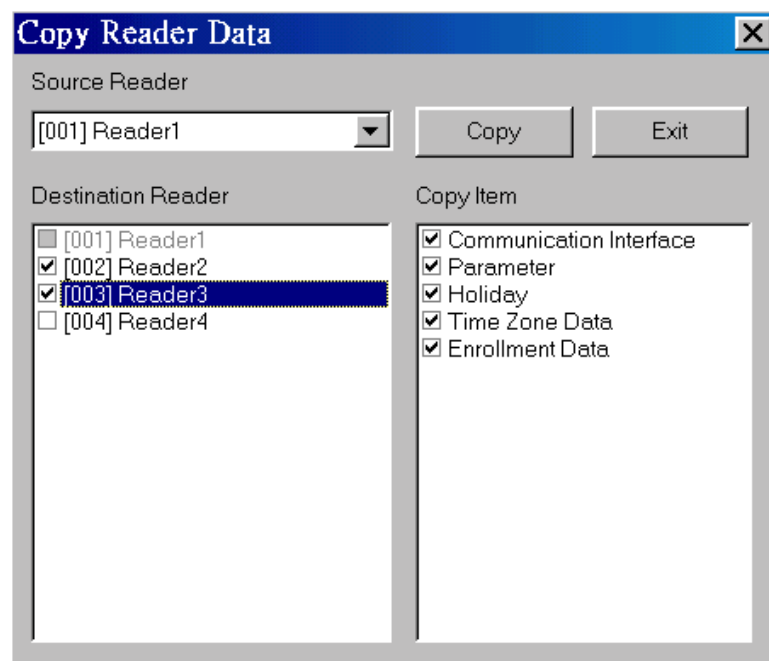


Figure 3.8 、 Copy Reader Data

### 3. Parameter

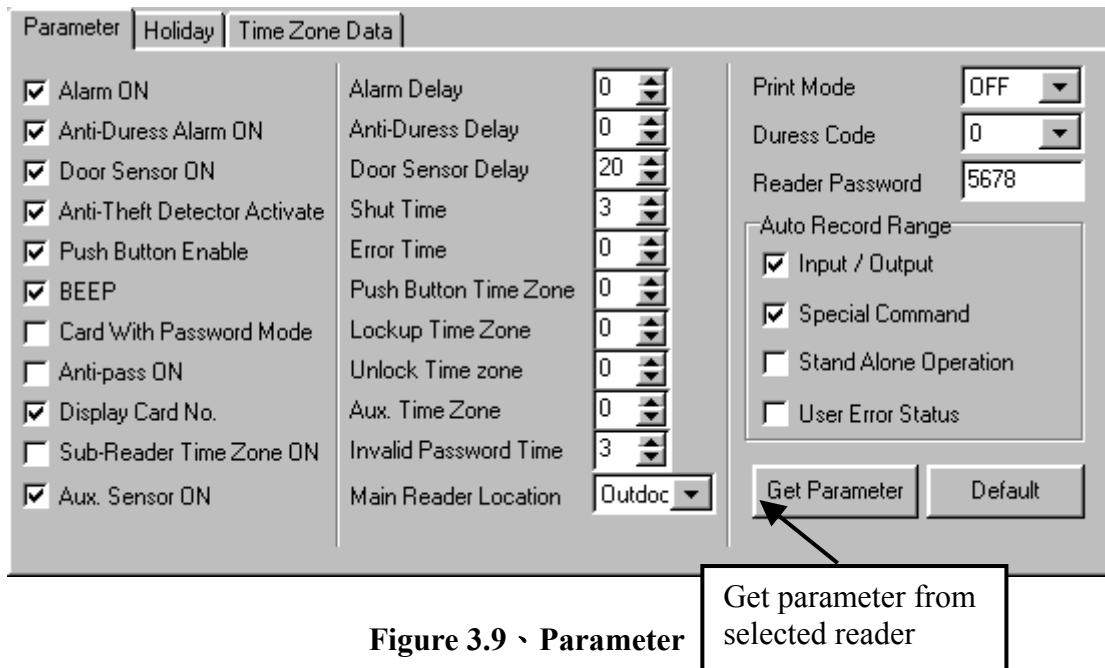


Figure 3.9 、Parameter

- ※ Click any function box of Parameter below to enable the required functions.
- Alarm ON** : When reader is tampered with force, alarm will be activated.
- Anti-Duress Alarm ON** : Alarm will be activated when users enter duress code.
- Door Sensor ON** : When this function is set, sensor will sense if the door is closed or not.
- Anti-theft Detector Activated** : When intruding occurred, signal will be sent to any security department.
- Push Button Enable** : Push button to open door.
- Beep** : Beep sound appears when button pressed or proximity of card used.
- Card with Password Mode** : When sensing is done, user must enter password to gain access.
- Anti-Pass ON** : The card control only be used for matching single entry and exit.(When gaining entry without card, access denial will occur when users try to make an exit)
- Display Card No.** : Reader's LCD indicator shows user's card number.
- Sub Reader Time Zone No.** : (reserved)
- Aux. Sensor ON** : (reserved)
- △ **Alarm Delay** : (reserved)
- △ **Anti-Duress Delay** : (reserved)
- △ **Door Sensor Delay** : Delay time to sense if door is not closed.
- △ **Shut Time** : Setting door open time when user card is sensed.
- △ **Error Time** : (reserved)

- △ **Push Button Time Zone** : (reserved)
- △ **Lockup Time Zone** : (reserved)
- △ **Unlock Time Zone** : Door will not close or lock under selected time zone.
- △ **Aux. Time Zone** : (reserved)
- △ **Invalid Password Times** : Setting of numbers of invalid password entered.
- **Main Reader Location** : Outdoor or Indoor.
- **Print Mode** : Reader must connect a serial printer.  
 When OFF is set: Printer will not print.  
 When Real Time is set: Printer will print immediately.  
 When Batch is set: reserved.
- **Duress Code** : Enter Duress Code before password(Example 9 1234) ← Duress Code
- **Reader System Password** : Setting reader's system password (default:5678)
- **Auto Record Range** : Transactions will be recorded when any boxes or all boxes of function clicked.

#### 4. Holiday

All holiday access setting will affect all settings at Time Zone Data. Click on the date box to mark as a holiday(the box will turn into a red box when it is clicked.)

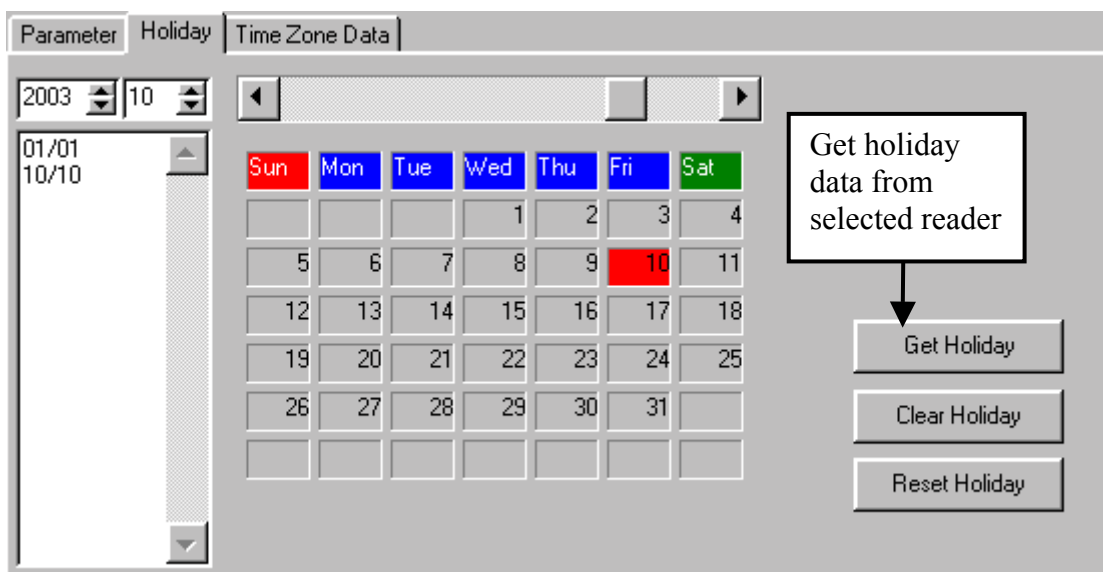


Figure 3.10 、 Holiday Setting

#### 5. Time Zone Data

Every reader has its own individual 48 time zones.

The screenshot shows a software interface for configuring time zone data. It includes tabs for 'Parameter', 'Holiday', and 'Time Zone Data'. The 'Time Zone No.' is set to 1, and the 'Time Zone' is set to 24HR. The 'Valid Date' is set from 2000/01/01 to 2012/12/31. There are five groups (Group 1 to Group 5) for configuration. For Group 1, the 'Start Time' is 00:00 and the 'End Time' is 23:59. The days of the week are checked: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. 'Holiday Access' is also checked. The 'Display Format' is set to 'Holiday Access'. There are buttons for 'Get Time Zone Data' and 'Default'.

Figure 3.11 、 Time Zone Data

(1) **Valid Date** : valid range 1999/01/01 ~ 2098/12/31

(2) **Display Format**

There are three different display format: Holiday Access, Floor Control, and SE-18 (elevator controller ; optional )

**Example :**

Hypothetically, an Information Resource department would like to set its access control as below:

1. Valid access control date : 2003/01/01 ~ 2004/12/31
2. Access time from 08:00 to 17:30 on Mondays, Wednesdays, and Fridays.
3. Access time from 08:00 to 18:00 on Tuesdays and Thursdays.
4. Access time from 08:00 to 12:00 on Saturdays.
5. Access is restricted on Sundays and holidays.

**Setting :**

According to the above criteria, these are 3 time zone to set.

- (1) 08:00 ~ 17:30
- (2) 08:00 ~ 18:00
- (3) 08:00 ~ 12:00

All the time zones are set at Time zone No.2 as shown as below (3.11.1~ 3.11.3).

Parameter | Holiday | Time Zone Data

Time Zone No. 2 Time Zone Information

Valid Date 2003/01/01 to 2004/12/31

Group 1 | Group 2 | Group 3 | Group 4 | Group 5

Start Time (Range: 00:00 ~ 23:59)

8 0

End Time (Range: 00:00 ~ 23:59)

17 30

Sunday  
 Monday  
 Tuesday  
 Wednesday  
 Thursday  
 Friday  
 Saturday  
 Holiday Access

Display Format: Holiday Access

Buttons: Get Time Zone Data, Default

Figure 3.11.1

Parameter | Holiday | Time Zone Data

Time Zone No. 2 Time Zone Information

Valid Date 2003/01/01 to 2004/12/31

Group 1 | Group 2 | Group 3 | Group 4 | Group 5

Start Time (Range: 00:00 ~ 23:59)

8 0

End Time (Range: 00:00 ~ 23:59)

18 0

Sunday  
 Monday  
 Tuesday  
 Wednesday  
 Thursday  
 Friday  
 Saturday  
 Holiday Access

Display Format: Holiday Access

Buttons: Get Time Zone Data, Default

Figure 3.11.2

Parameter | Holiday | Time Zone Data

Time Zone No. 2 Time Zone Information

Valid Date 2003/01/01 to 2004/12/31

Group 1 | Group 2 | Group 3 | Group 4 | Group 5

Start Time (Range: 00:00 ~ 23:59)

8 0

End Time (Range: 00:00 ~ 23:59)

12 0

Sunday  
 Monday  
 Tuesday  
 Wednesday  
 Thursday  
 Friday  
 Saturday  
 Holiday Access

Display Format: Holiday Access

Buttons: Get Time Zone Data, Default

Figure 3.11.3

Do not check on any boxes from Sunday to Holiday Access in Group 4 and Group 5 in Group Enrollment.

### 3.1.4 Communication Interface

It is RS232/485, TCP/IP, Modem(optional) supported.

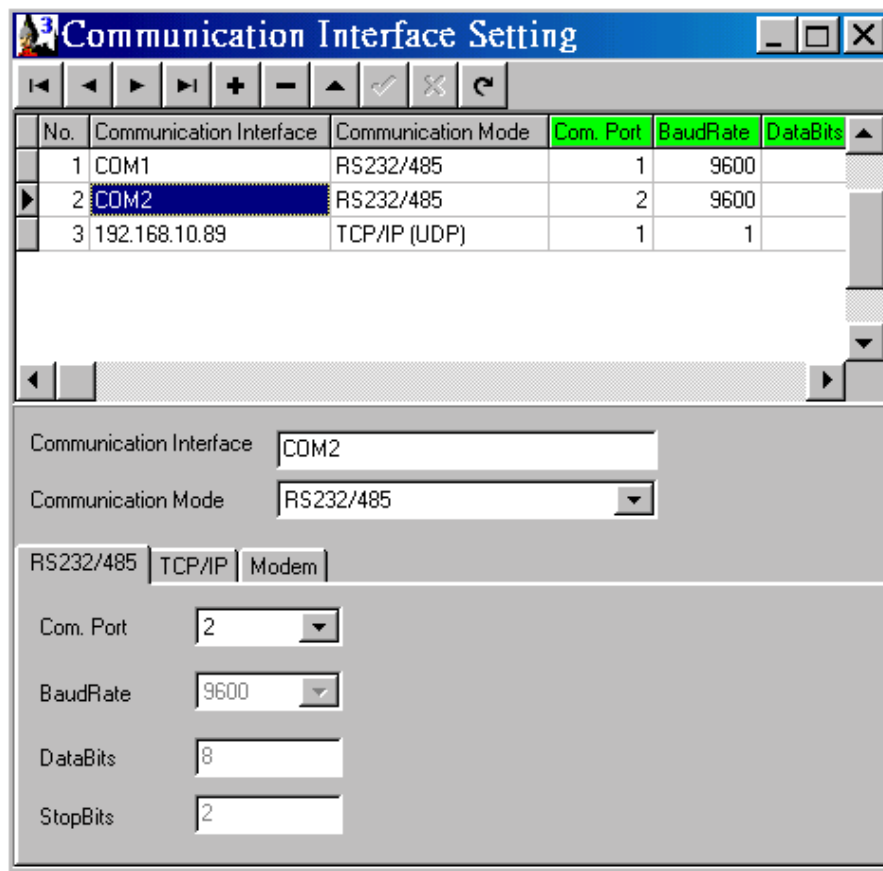



Figure 3.12 、 Communication Interface

When RS232/485 mode is selected, click COM1 or COM2 to set both in Communication Interface and Reader Setting.

When TCP/IP mode is selected, a TCP/IP converter shall be installed. Click on  on the tool bar to make a new addition or make any changes in default parameter No. 3 (Figure 3.13).

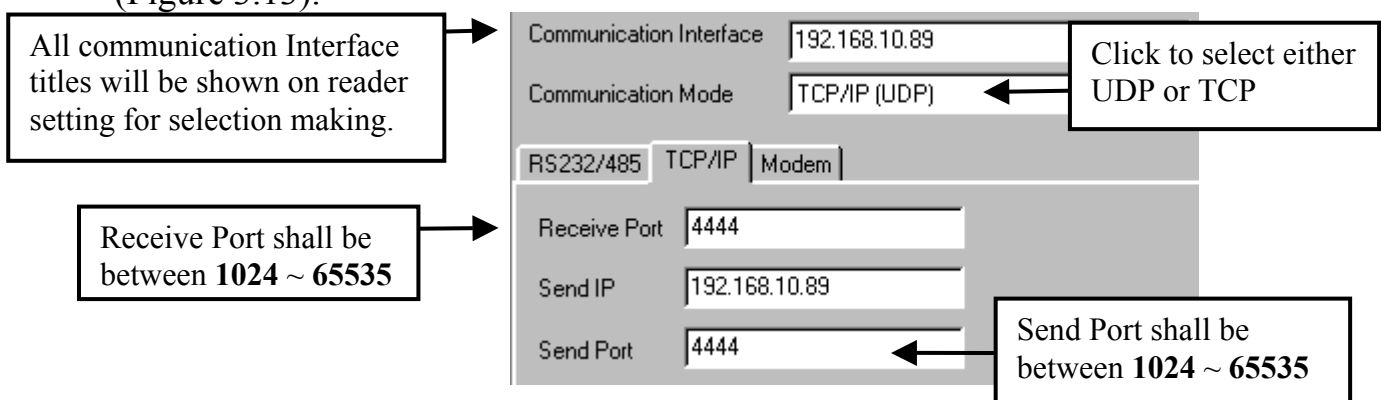


Figure 3.13

Please refer to Appendix A for TCP/IP



## **3.2 Reader Operator**

1. Selected reader will operate when any one of the Reader Number is clicked in Reader Screen.
2. Click an any boxes of readers to select on **Select Reader**.
3. Click **Esc** or **STOP** to cancel all operation, except when receiving all historical data.
4. When reader is operating, all other functions are not available.

### **3.2.1 Receive Historical Data**

Receiving reader's historical data and any changes of status. Any new addition of card number will be received and saved as Default.

### **3.2.2 Inquire Time**

### **3.2.3 Inquire Enrollment**

Inquiring reader's enrollment data. All data are saved at Program Files/soca/Access Control 3.2/\*.txt as text file.

### **3.2.4 Inquire Reader Information**

Inquiring reader's hardware information, historical records and enrollment records.

### **3.2.5 Send Time**

All reader's time is set as time shown in the computer.

### **3.2.6 Send Enrollment**

Sending all enrollment data to all readers. (Setting of send enrollment, please refer to **3.1.2 or 3.1.3**)

### **3.2.7 Send Time Zone/Holiday**

Sending time zone data to all readers.(Please refer to **3.1.3**)

### **3.2.8 Send Parameter**

Sending all parameter to all readers.(Please refer to **3.1.3**)

### **3.2.9 Send all setting data**

Sending all parameter, time Zone, and enrollment data to readers.

### **3.2.10 Polling**

Supervising all selected readers. All latest statuses or basic information of the last user will be shown on reader screen. When it is online simultaneously, all functions are not available except **Open Door, Close Door, Alarm ON, Alarm OFF, Anti-Duress Alarm ON, Anti-Duress Alarm OFF, Polling**.

### 3.3 Historical Data

Inquiring or deleting historical data.

#### 3.3.1 Inquire Historical Data

Inquiring historical data depends on CPU speed, total of historical records, and range of historical data inquired.

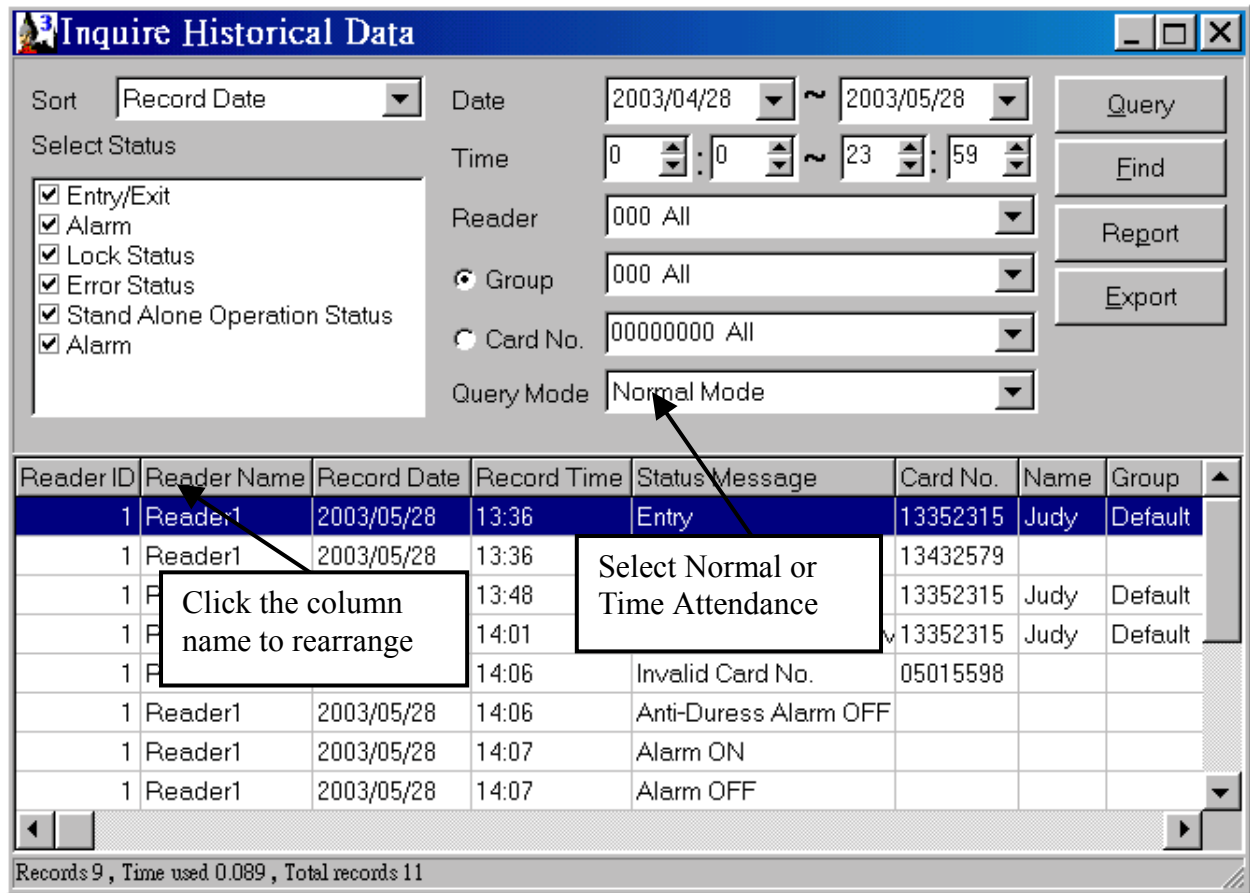


Figure 3.14 · Inquire Historical Data

#### 1. Sort

Arrange all data according to their categories.

#### 2. Select Status

Select status according to different statuses.

#### 3. Date

Select historical data between selected date.

#### 4. Time

Select historical data between selected time. If start time is greater than end time as below: 22:00 ~ 20:00 will select historical data between 22:00 ~ 23:59 and 00:00 ~ 20:00.

#### 5. Reader

Select any readers to inquire.

#### 6. Group

Select any groups to inquire.

## 7. Card Number

Select any card number to inquire.(Type any card number manually to inquire)

## 8. Export

Save all result into plain text file. There are two formats to choose:

(1)Word file (\*.txt)

Every record of the historical data is being spaced for editing.

(2)Word file (with comma) (\*.txt)

Every column is being spaced with quotation mark and comma for editing (such as Mircosoft Excel) as below:

"1","Reader1","20021114","1522","Invalid Card No.,""13432579","John","Default"

"1","Reader1","20021114","1522","Entry","00010605","Tom","Default"

## 9. Query Mode

There are 2 query modes to select:

(1)Normal Mode: All historical data are arranged according to reader ID.

(2)Time Attendance: All historical data are arranged according to group which showed start time and end time.

### 3.3.2 Deleting Previous Data

Delete historical data on selected date( not including present date). User may delete any redundancy of historical data to maintain the speed of historical data query. 30,000 historical data requires 1 MB of disk space.

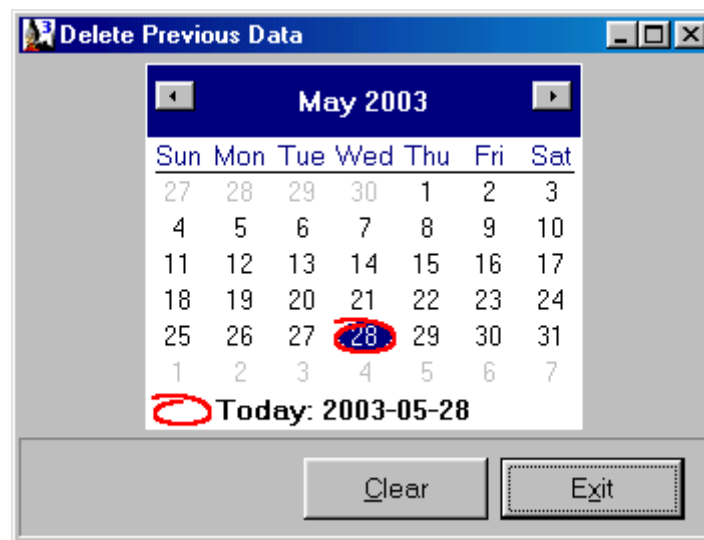


Figure 3.15 · Deleting Previous Data

## 3.4 Tools

### 3.4.1 Database Manager

Management of internal database.

#### 1. Standard

Check any boxes for backup or restoring purpose. User is advised to check all the boxes except Historical Data when backup is being made. User shall backup another set of Historical Data when backup is being made. User shall backup another set of historical data alone.

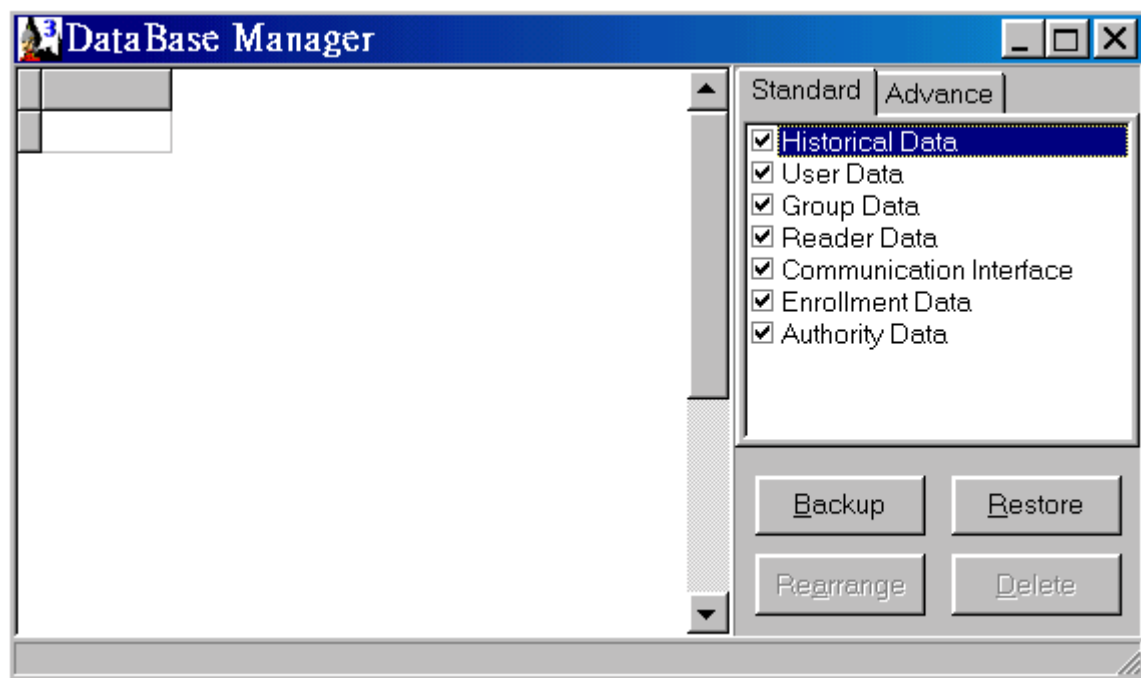
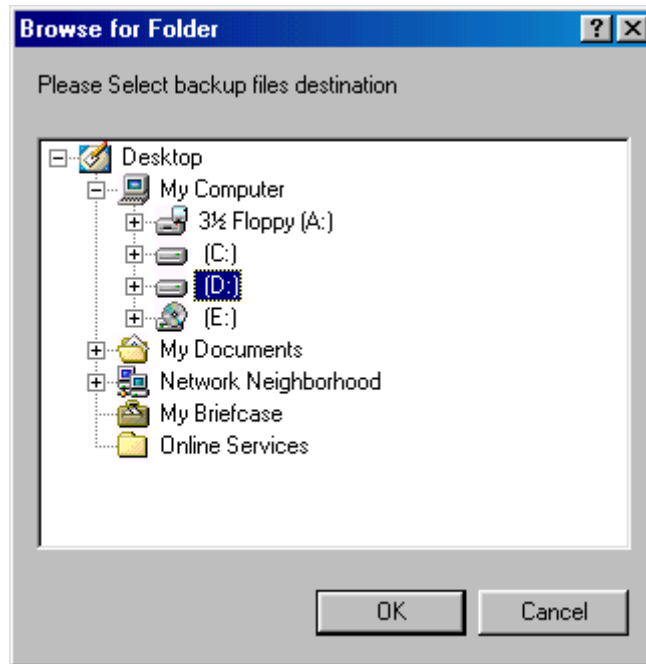


Figure 3.16 · Database Manager(Standard)

#### (1) Backup

Backup all selected data to a file which appears as a file called YearMonthDayHourMinuteSecond(YMDHMS) to save in any selected directory.

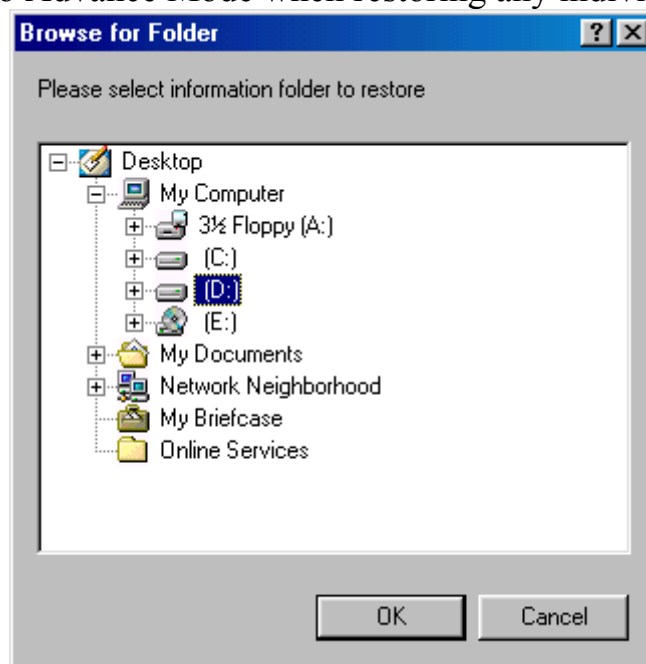
For example: Select D: directory to backup to D:\20021216130003



**Figure 3.17 · Backup**

## (2) Restore

Restoring all backup file to the system. The amount of boxes checked should be the same as the backup file when restoring is made to avoid rejection. User shall click to Advance Mode when restoring any individual file.



**Figure 3.18 · Restore**

## 2. Advance

Advance mode lists out all system's files. Users may check any boxes to backup, rearrange, restore, or delete.

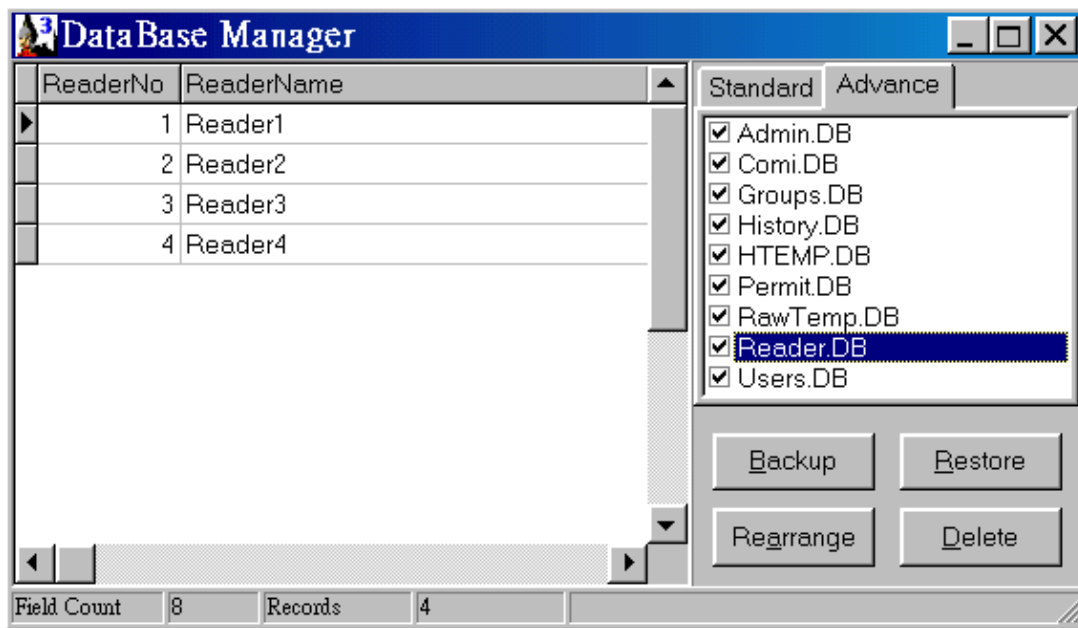


Figure 3.19 、 Database Manager(Advance)

**(1) Backup**

For example: Click D:\Bak to make a backup to D:\Bak\20021216130003

**(2) Restore**

Restoring all backup files to the system. User may select many files to restore at one time.

**(3) Rearrange**

Rearrange all checked files.

**(4) Delete**

Delete all checked files.

### 3.5 System Setting

#### 3.5.1 System Parameter

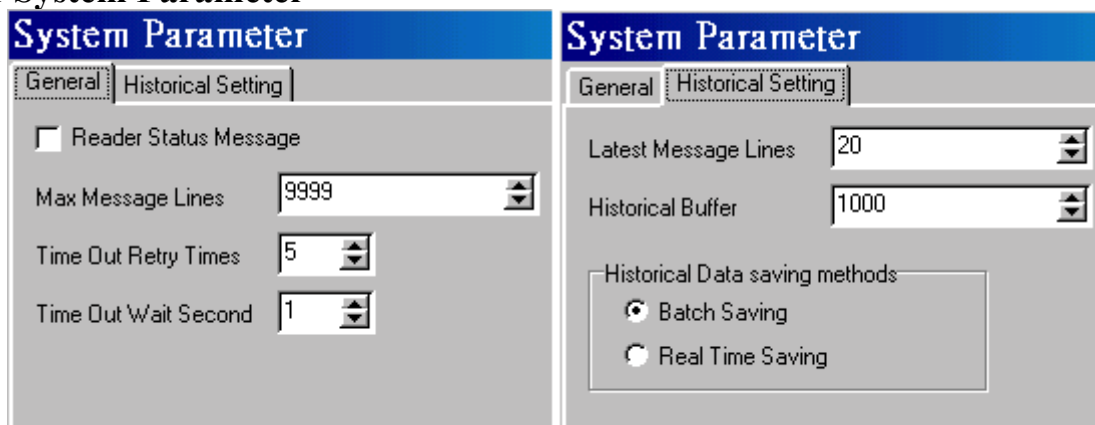


Figure 3.20 、 System Parameter

**1. Reader Status Message**

When polling is made, the system detects all readers' latest status to show on Message Area. Check the box to display the status message.

**2. Maximum Message Lines**

Setting message lines up to 9999 lines.

**3. Time Out Retry Times**

User may set the number of time out retry times when polling is made. No respond may occur when system or reader is busy or connection fault.

**4. Time Out Wait Second**

Setting the number of time out wait second when reconnecting.

**5. Latest Message Lines**

When receiving historical data, user may set the amount of desired lines to show the latest historical message lines.

**6. Historical Buffer**

All historical records are temporarily saved (use default value) when receiving historical data.

**7. Historical Data Saving Methods (Use default Setting)**

Batch Saving

Saving is made when all historical data from every reader received.

Real Time Saving

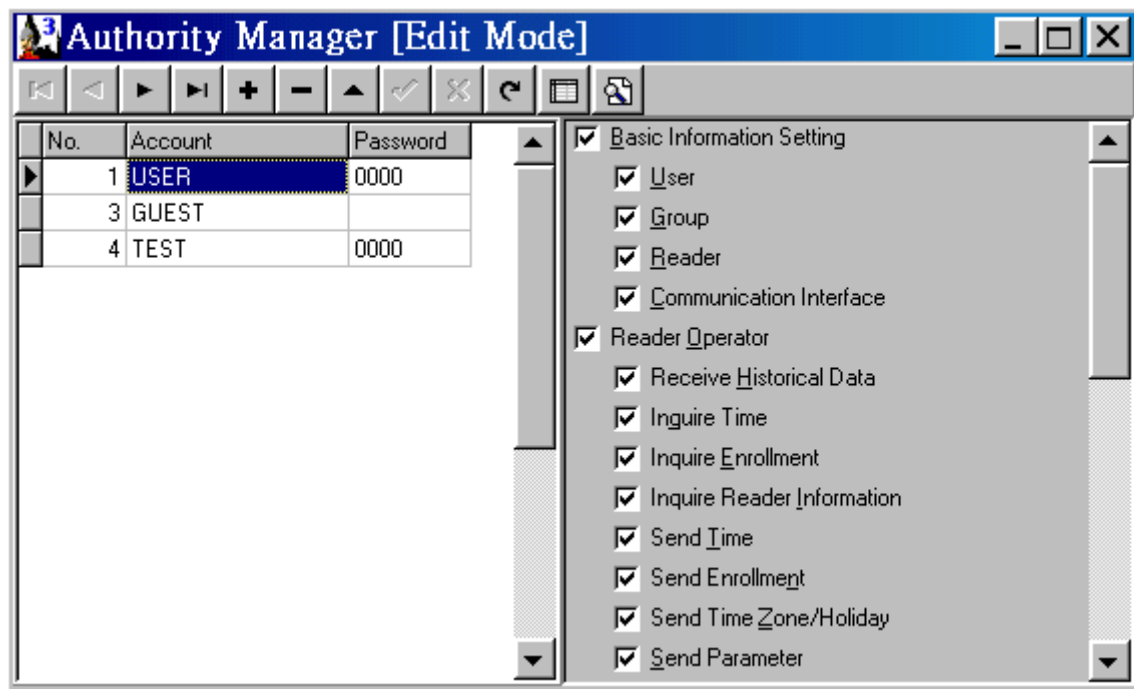
Saving is made simultaneously when every historical record from the reader received.

**3.5.2 Authority Manager**

Check boxes for different account users as every user has different authority of the system. Default account (USER) has the highest authority. Please be sure to reset USER's password.

**Range of account setting : less than 20 alphabets or numbers.**

**Range of password setting : less than 10 alphabets or numbers.**



**Figure 3.21** 、 Authority Manager

User who creates and has system manager account is strongly suggested to have the authority of the functions below :

1. Database Manager
2. Authority Manager

### 3.5.3 Relogin

User may use different account to relogin the system.



## 4. Uninstallaton

1. Please shut down the system before any uninstallation made.
2. Click Control Panel (Figure 4.1).

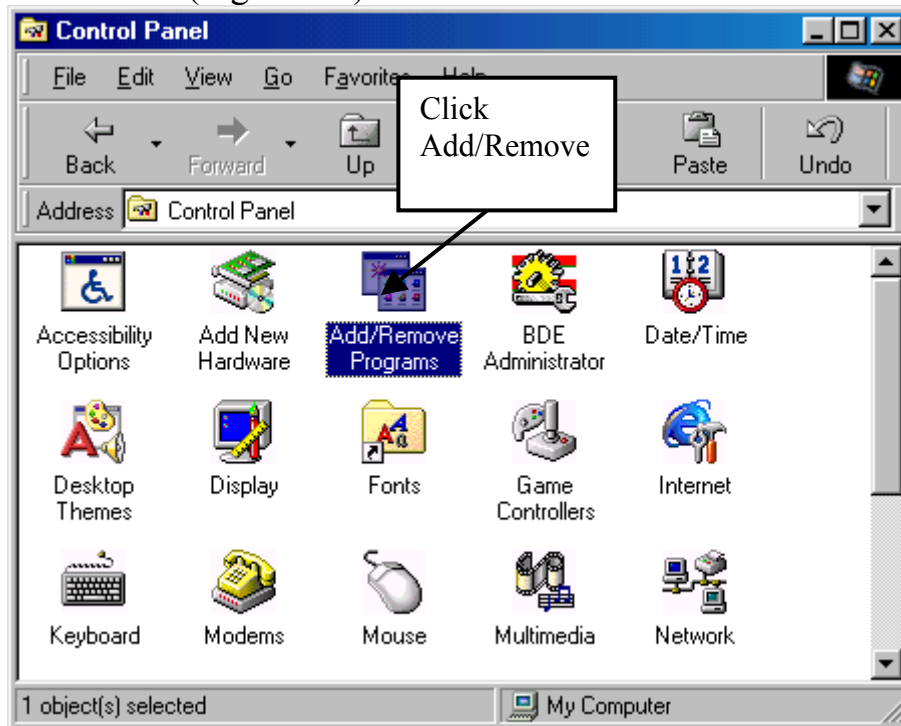


Figure 4.1

3. Click Add/Remove Programs(Figure4.2)

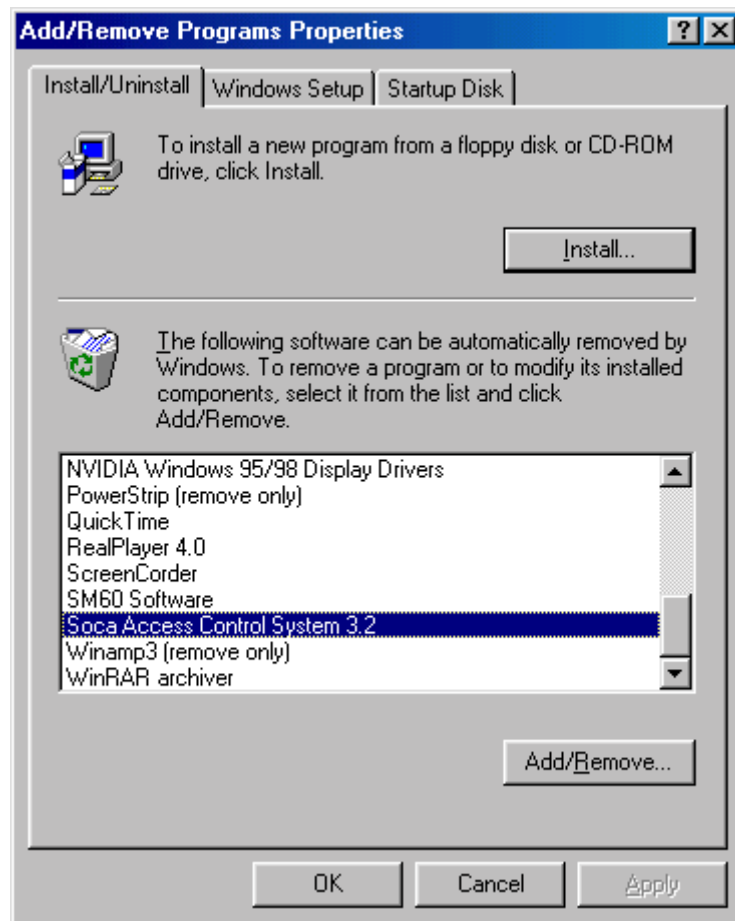


Figure 4.2

4. Select Soca Access Control System 3.2, Click Add/Remove(R)...button

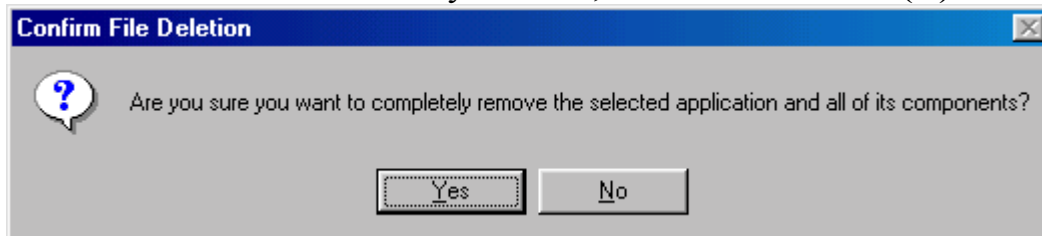
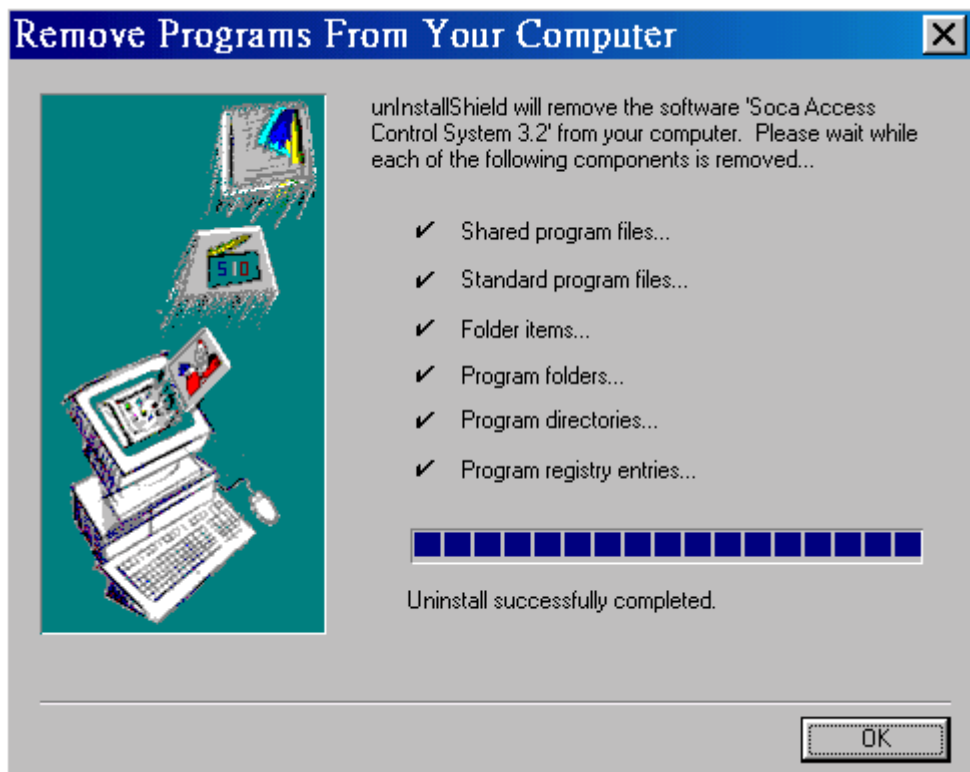


Figure 4.3

5. Click Yes(Y) to uninstall. Click OK when it is completed (Figure4.4).



**Figure 4.4**

## 5. Troubleshooting

1. Communication port has been used by other program when “ **ie\_Open – device already open**” appeared. Please close or shut down all programs and restart the system again. If the above message still appeared, please restart the computer and execute the program before activating any other programs.
2. When “**Key violation**” appeared, please check if information has been entered repeatedly.
3. Please enter all records in all columns when “**Field "xxxxx" must have a value**” appeared.
4. When **Esc** or **STOP** is clicked to interrupt or terminate the system process might cause the program unable to function or close. Press **Shift + Esc** for several times or restart the computer again.

## Appendix A TCP/IP Converter

1. First, run the enclosed disk which contained ETM.EXE to search for its TCP/IP converter from LAN. We strongly recommend to set only one TCP/IP converter at a time. If there is more than one TCP/IP converter in LAN, please unplug the other converters. (Figure A-1)

※ Any setting of TCP/IP converter shall be done by Professional Internet Engineer.

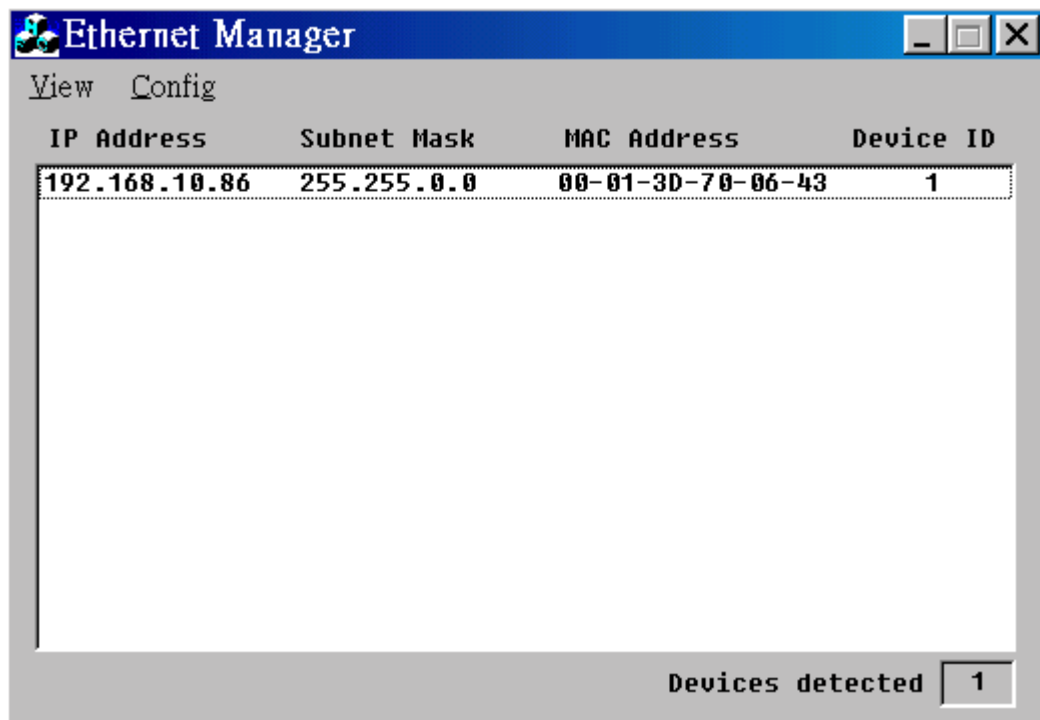


Figure A-1 、 Search TCP/IP converter

2. Click **Config** -> **IP Address** to set as the same IP group of LAN. For example, if the IP of computer is **192.168.10.88**, please set the TCP/IP converter's IP to **192.168.10.89**. Do not use the same IP. After then, use Ping command under MS-DOS format to test the setting of the new IP. For example, setting of the new IP(C:\> ping 192.168.10.89) is completed when there is no error message of Request timed out appeared.

3. Type the new IP in any browser

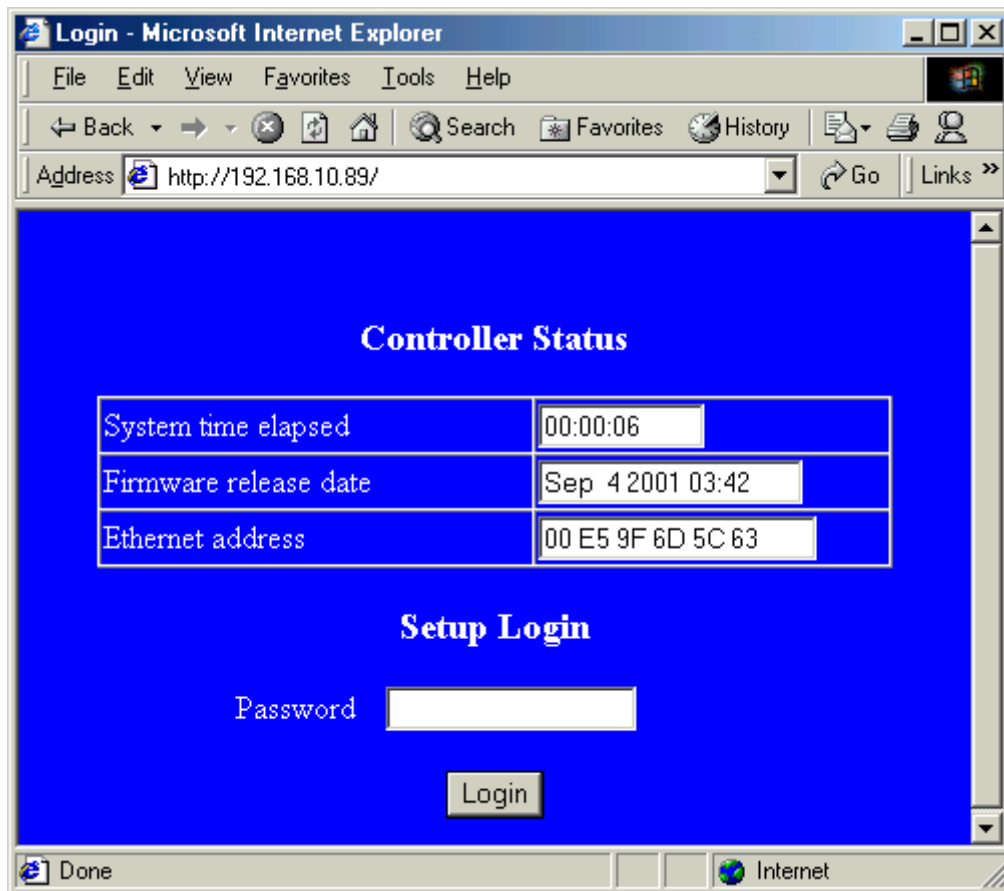


Figure A-2 、 Login

4. Click **Login** to enter as there is no default password.
5. Follow A-3 to complete the remaining settings.

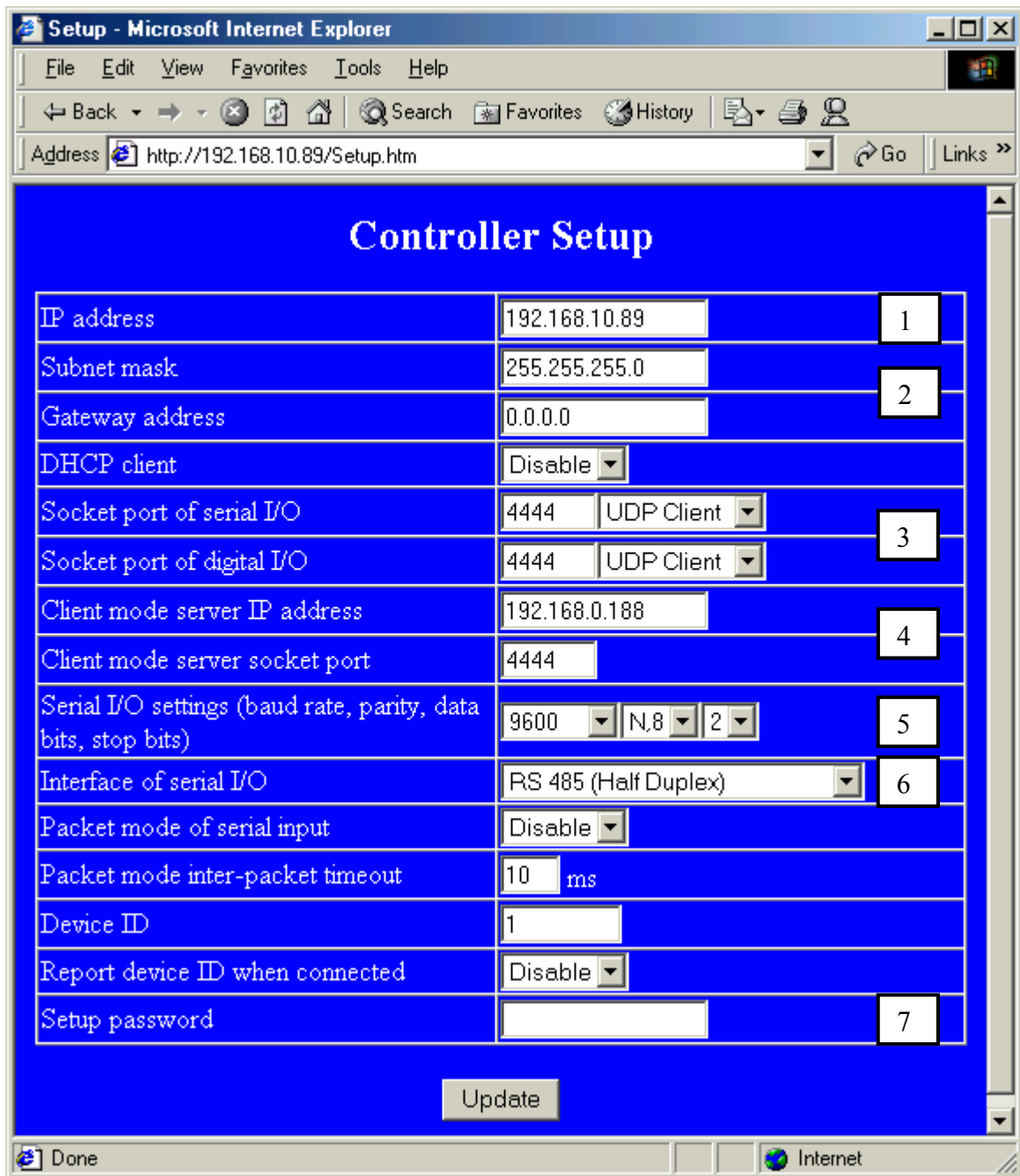


Figure A-3

1. IP address of TCP/IP converter.
2. Depending on TCP/IP converter's location, use default value for both Subnet mask and Gateway address.
3. The value of TCP/IP converter's socket port shall be between **1024 ~ 65535** Setting of communication mode depending on software's communication interface setting.
  - ✓ Please set **UDP Client** if the software's communication interface mode is **TCP/IP (UDP)**.
  - ✓ Please set **TCP Server** if the software's communication interface mode is **TCP/IP (TCP)**.
4. We recommend Client mode server IP address shall be the same as TCP/IP converter's IP address.

5. Please set its Serial I/O settings 9600,N,8,2 for ST-680.
  - ✓ Please select RS 485 (Half Duplex) for ST-680.
6. Setup and access password for TCP/IP converter.