

User Manual



27, Sep, 2007

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9	Time & Attendance-----	오류!
	책갈피가 정의되어 있지 않습니다.	
9.1	Enter T&A	오류! 책갈피가 정의되어 있지 않습니다.
9.2	Set T&A condition	오류! 책갈피가 정의되어 있지 않습니다.
9.2.1	Data path	오류! 책갈피가 정의되어 있지 않습니다.
9.2.2	Standard time	오류! 책갈피가 정의되어 있지 않습니다.
9.2.3	Holiday	오류! 책갈피가 정의되어 있지 않습니다.
9.2.4	Enroll others	오류! 책갈피가 정의되어 있지 않습니다.
9.3	Trans T&A data	오류! 책갈피가 정의되어 있지 않습니다.
9.4	Query T&A	오류! 책갈피가 정의되어 있지 않습니다.
9.4.1	Daily	오류! 책갈피가 정의되어 있지 않습니다.
9.4.2	Personal	오류! 책갈피가 정의되어 있지 않습니다.
9.4.3	Period	오류! 책갈피가 정의되어 있지 않습니다.
10	Other function-----	오류!
	책갈피가 정의되어 있지 않습니다.	
10.1	Check enrolled user of terminal	오류! 책갈피가 정의되어 있지 않습니다.
10.2	Data Utility	오류! 책갈피가 정의되어 있지 않습니다.
10.3	Door Open	오류! 책갈피가 정의되어 있지 않습니다.
10.4	Change window structure	오류! 책갈피가 정의되어 있지 않습니다.
10.5	Sliding message on LCD	오류! 책갈피가 정의되어 있지 않습니다.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

1. About BKS-4800 Series

BKS-4800 security, work place time and attendance, and over-time work verification and other situations requiring the presence of the authorized personnel. Fingerprint identification technology bypasses problems of existing security solutions such as EM TYPEcards and keypad locks. These are prone to security breach from card duplication and misplacement or improper disclosure of password. These accidents allow for proxy authorization and breach of security.

Fingerprints have constancy and uniqueness and its pattern can be easily and cheaply recorded, thus making it the most desirable form of biometric recognition system. The new sensor now enables us to cut costs as well as to miniaturize, both of which will make the technology more practical and more easily mass marketed.

BKS-4800 supports various I/O protocols and is an optimal solution for managing access-controlled points. With 128 X 64 pixels blue LCD screen, 12 regular keys and 5 special function keys, make BKS-4800 user-friendly. Communication is based on TCP/IP is also easy with the included 1 RS232 port, 1 RS485 port, 1 relay signal and 1 external sensor inputs.

2. Setup Console Manager Installation

Installation PC Capacity

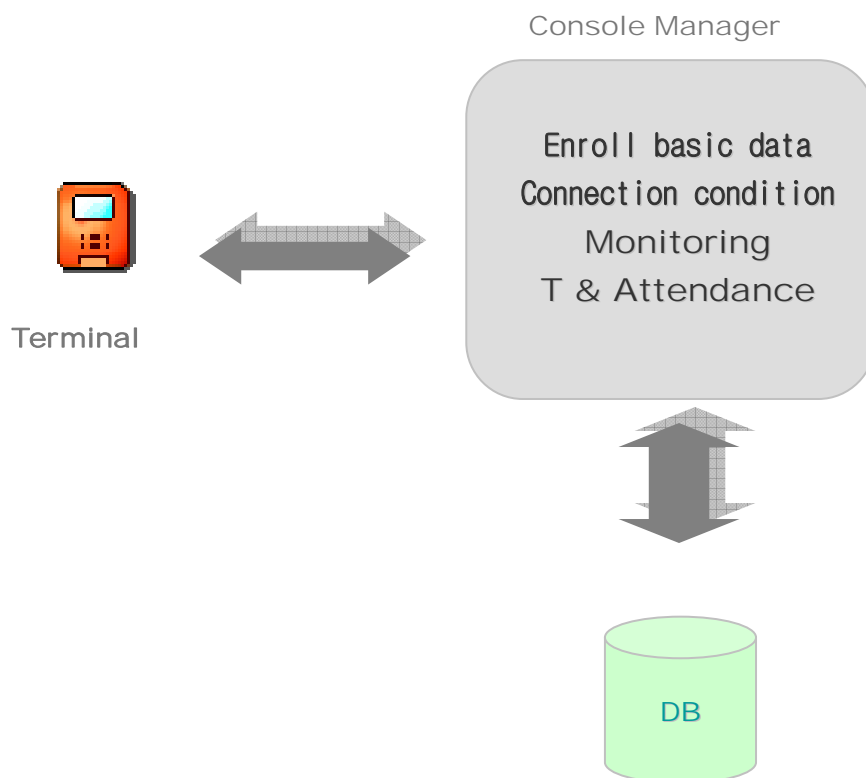
BKS-4800 Manager system : suggested PC application

CPU	Pentium 4 1.7 GHz over
RAM	256MB over (512MB suggest to be over)
OS	Windows 2000 / XP
HDD	40GB over
Network	LAN

BKS-4800 Manager system : minimum capacity

CPU	Pentium 3 1.0 GHz over
RAM	128MB over
OS	Windows NT / 2000 / XP
HDD	20GB over
Network	LAN

Console Manager total diagram



How to install Console Manager on PC

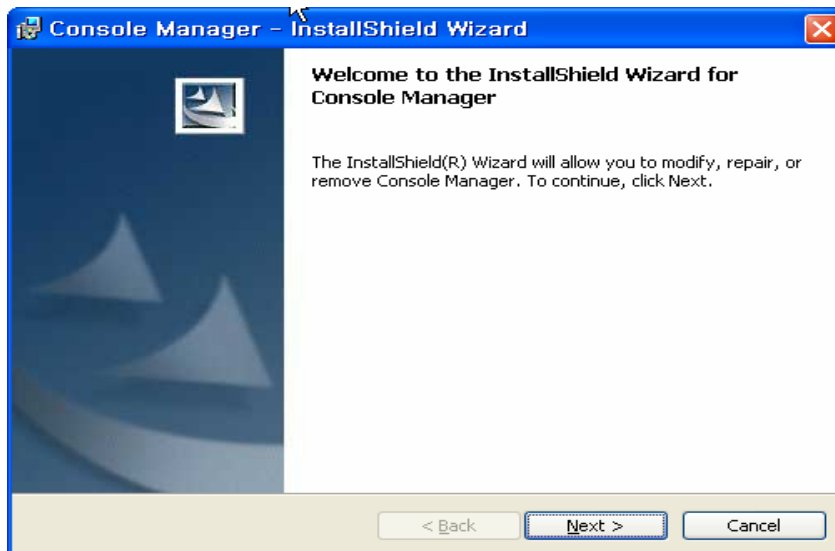
■ Content of installation

- ① Choose the administration PC.
- ② Check the computer installed Window system. (Windows 2000 / XP)
- ③ To install Console Manager as to click "Setup.exe".
- ④ After installation of Console Manager, input BKS-2600 to USB port.
- ⑤ Install BKS-2600 driver.

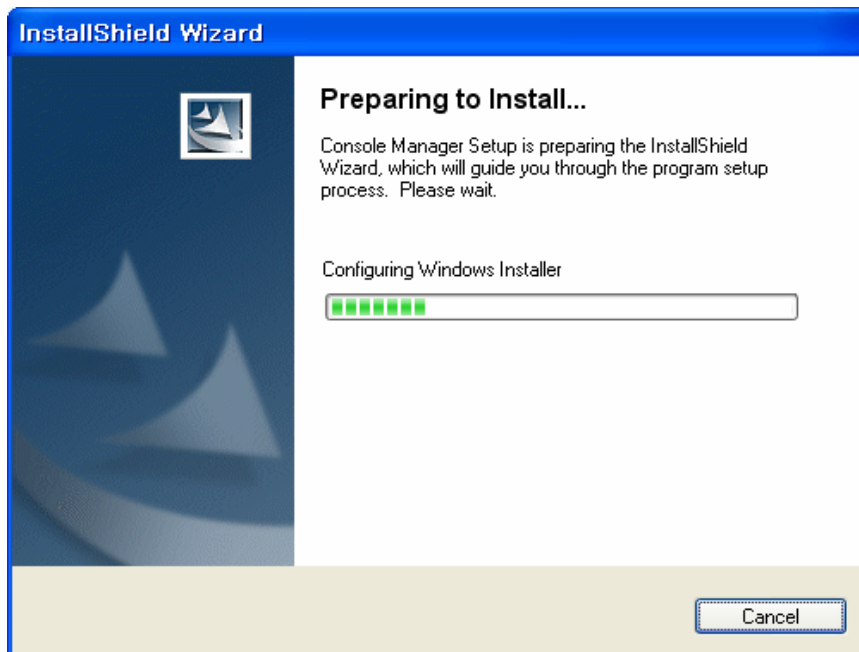
- Set Console Manager

Double click the “**setup.exe**” file and then the below installation window will be shown.

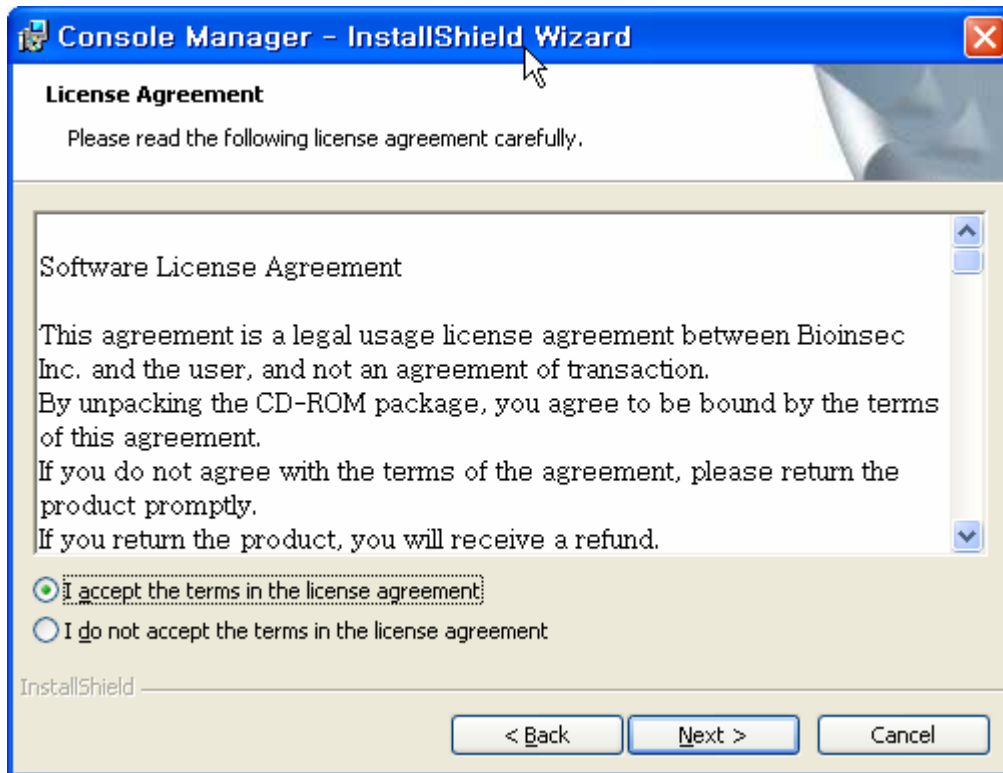
Caution: The Console manager should be set at only C drive.



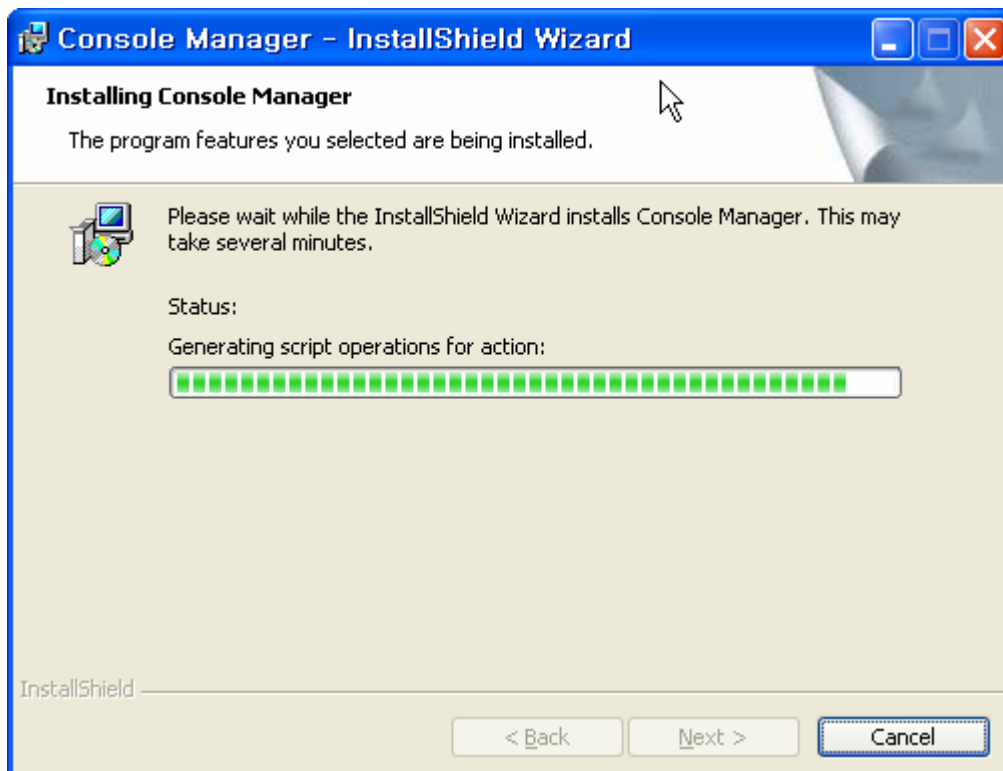
Please click the **Next** button.



Click the next button after confirm License Agreement.



Click Next button.



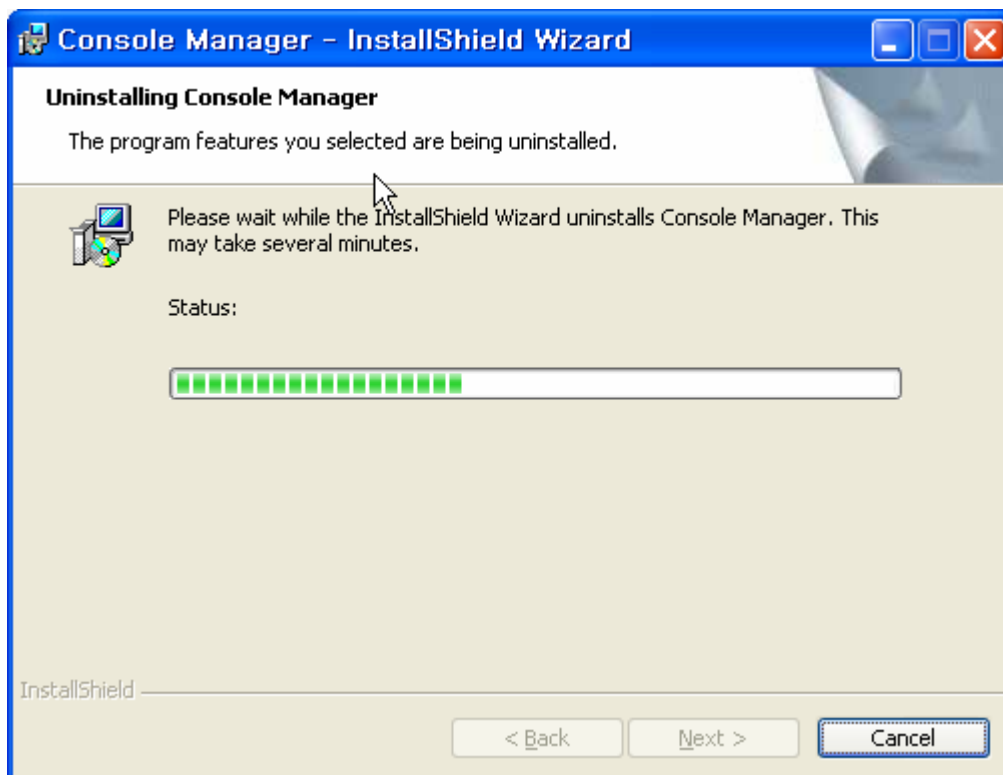
“Console Manager” & “Console Service” Icon created on the desktop.



How to uninstall Console Manager on PC

- Uninstall Console Manager
- Start – control – Program add/delete – Select **Console Manager** .

Click the delete button and Console Manager will be removed.



How to setup Console Manager

Console Manager is main control program networked several BIOINSEC terminals on network. It's shown all records of communication between terminal and server, that is the reason can control all LOG related of BKS-4800 terminals.

Enter Console Manager

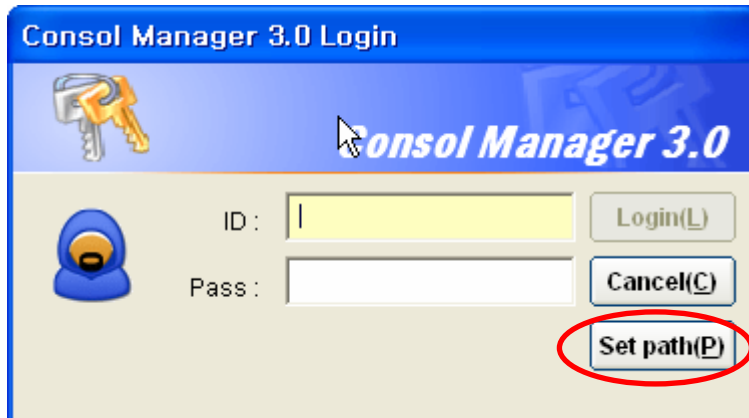
- Main long-in window appears after click Console Manager icon on the desktop, Click the Icon and above window appears.



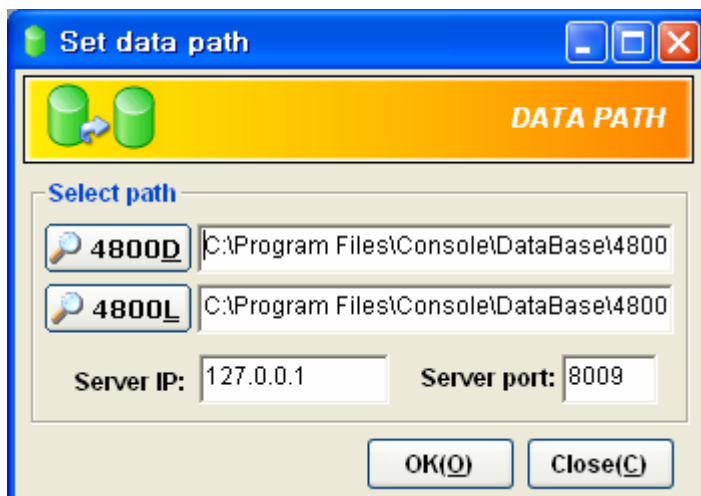
- Initial set value is “ ID : 1 Pass : 1 “, please give new Password for reduction of security risk.
- If the administrator enrolled “Admin Fingerprint,” please click the blue man Icon pointing to finger icon and place your finger on BKS-2600 scanner.



< When USB Scanner doesn't be connected to PC, this message appears >



- Setup path : Please click "Set path" and then the below window appears.



4800D : C:\Program Files\Console\DataBase\4800D.mdb

4800L : C:\Program Files\Console\DataBase\4800D.mdb

Server IP : Computer IP address or input 127.0.0.1

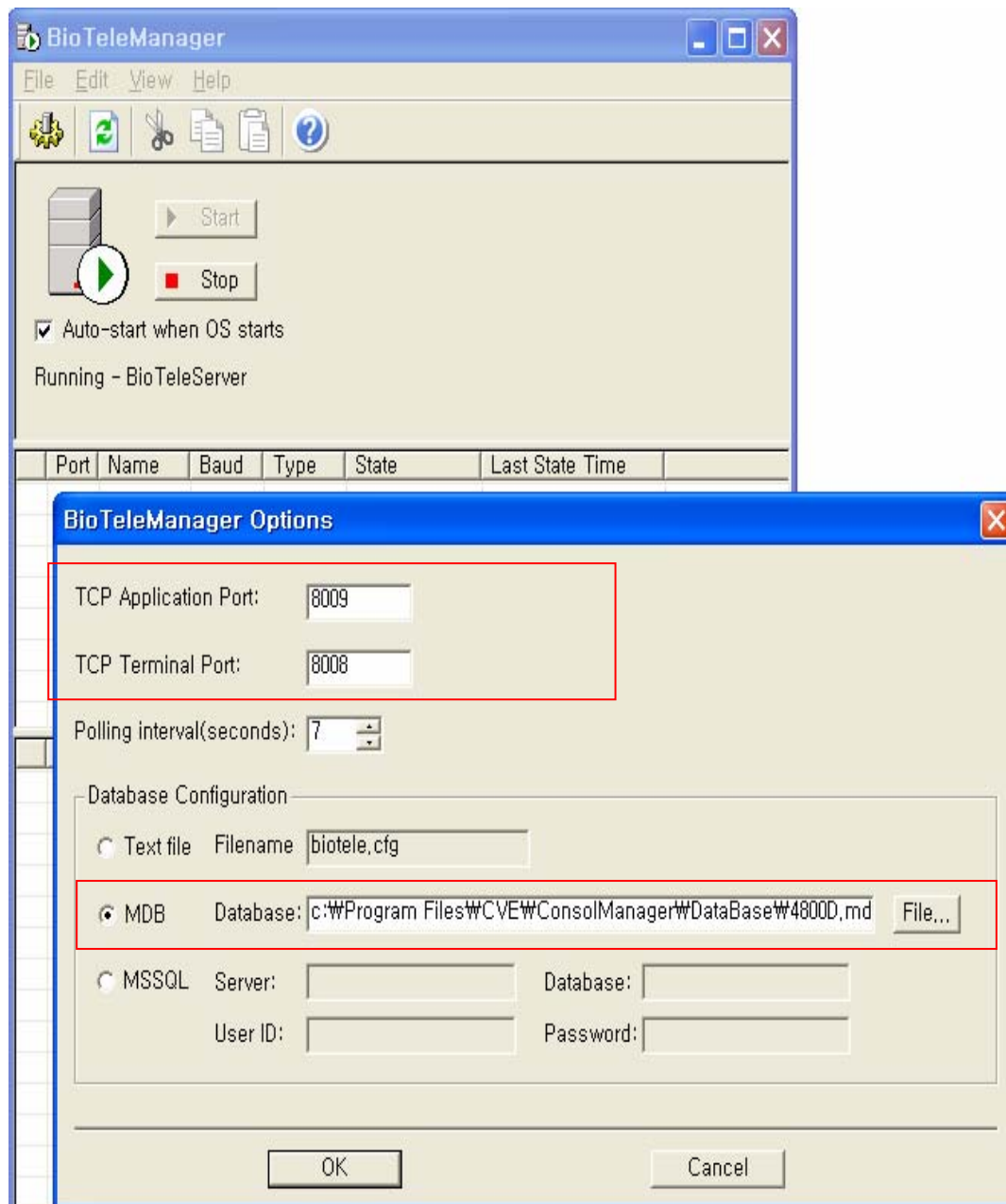
Server Port : 8009

Setting values are automatically set like above menu.

TCP Application Port and TCP/Terminal Port are automatically opened.

Console Manager & Console Server Manager icon displays on the desktop and **“Start => Program => Console Manager => Console Server Manager”**.

Double click the “Console Server Manager” menu

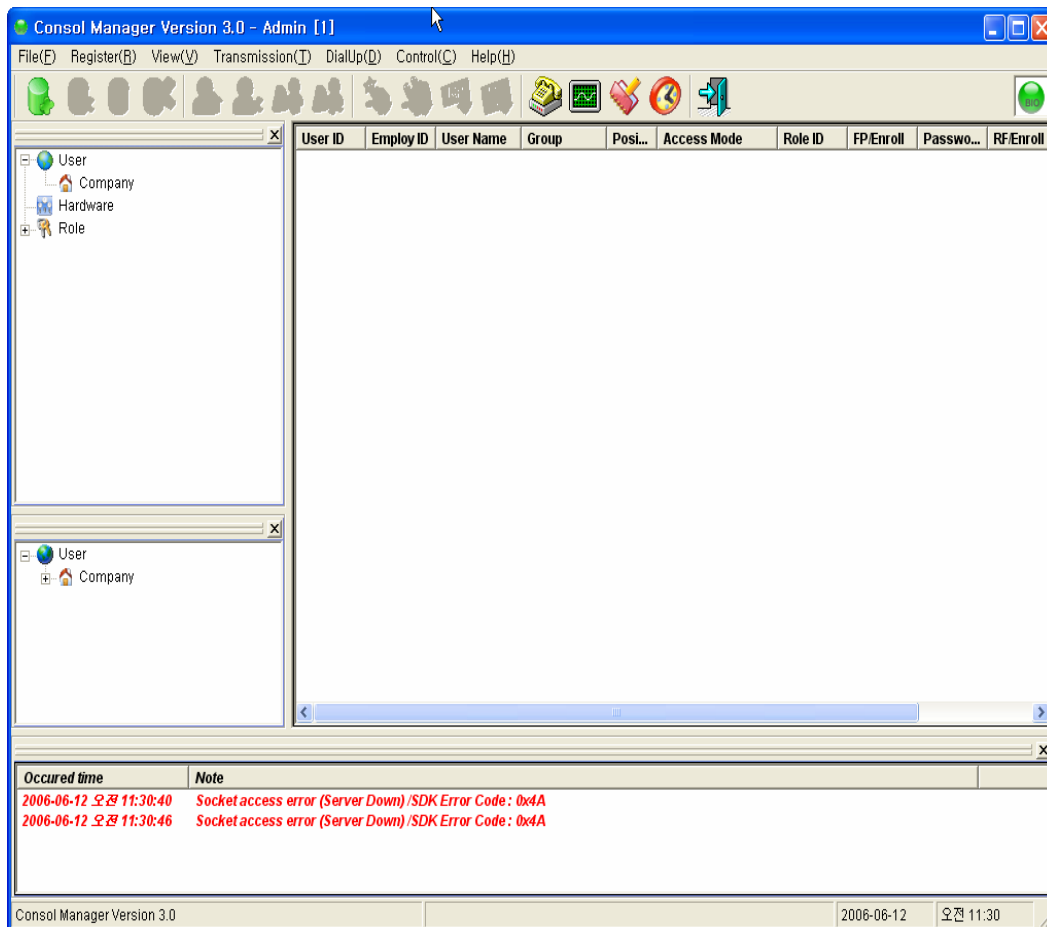


TCP Application Port and Console Manager Server port is automatically set 8009.

TCP/Terminal Port, 8008 also is automatically set as Terminal Port 8008.

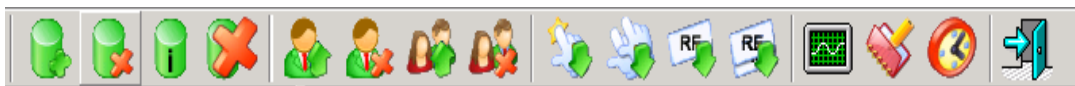
After checking all data path clearly, click “OK” button for saving. And then main window appears.

Main window and basic word



■ Main window is composed to Menu Bar, Tool, Tree View, Icon .

- ① Menu bar : file, enroll, Setup, View, Transmission, Control, Window, Help.
- ② Tool : New enroll, delete, Information, Delete all, Transform data, Delete terminal user data, Transmit all user data, Delete all user data of system, Get FP data from Terminal, Get all FP data, Get all EM TYPEdata, Monitoring, Report, Time & Attendance, Close etc...
- ③ Position View : Show the position tree view of user and terminal data.
- ④ Event view: Show terminal status and event
- ⑤ Menu bar detail description



: Enroll new user



: Delete user ,



: Show user information



: Delete event window message



: Transmit user data to terminal



: Delete user data of terminal



: Transmit all user data to terminal



: Delete all user data of terminal



: Get FP data from terminal



: Get all FP data from terminal



: Get EM TYPEdata from terminal



: Get all EM TYPEdata from



: Monitoring



: Report



: Time & Attendance



: Exit

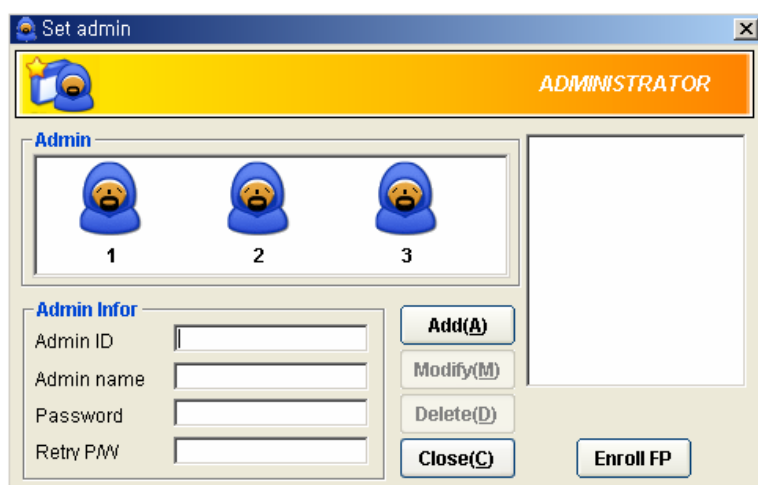


: When service system works well, Console log is turning.

Menu	Sub menu	contents
file	Set admin	Set administrator
	Close	Finish Console Manager
Enroll	Company	Enroll Company
	Group	Enroll department
	Position	Enroll position
	Set port	Enroll terminal port
	Terminal	Add/delete terminal
	Role	Setup user access role
	User	Enroll user
Setup	Set FP enrollment	Set Fingerprint enrollment.
	Set data path	Set DB path
	Check Com	Check the communication with terminal
View	Admin window	Appear administrator window
	Position window	Appear position window
	Event window	Appear event window
	Document window	Appear document window

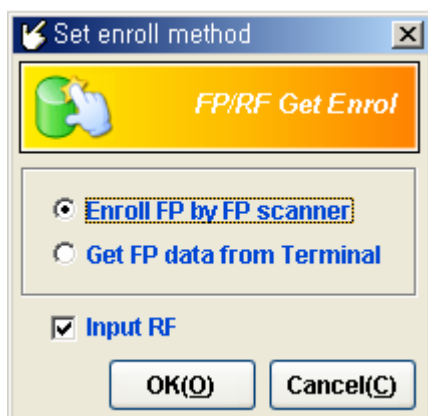
Menu	Sub menu	contents
Transmission	Transmit personal data	Transmit personal data to terminal
	Delete personal data	Delete personal data of terminal
	Transmit all data	Transmit all user data to terminal
	Delete all user data	Delete all user data from terminal
	Get FP data by personal	Get fingerprint data from terminal by personal
	Get all user FP data	Get all fingerprint data from terminal
	Get all user EM TYPEdata	Get all user EM TYPEdata from terminal
	Get EM TYPEdata by personal	Ger EM TYPEdata from terminal by personal
	Check user enroll	Check the enrollment.
Control	Download Terminals	Download terminal data
	Download Schedules	Download schedule data
	Download Holidays	Download Holiday data to terminal
	Download Time Zones	Download time zone to terminal
	Door open	Door open
	Set door	Set door condition
	Update Firmware	Terminal Firmware
Window	Horizontally	Sort horizontal style
	Vertically	Sort Vertical style
	Icon sorting	Icon sorting
	Cascade	Sort cascade
	Window List	
Help	Help	Help

■ Set administrator



Initial admin is set as “Admin ID 1”, you can add new administrators as push “Add” button after enrolled new ID and Password. If you want to use fingerprint, please enroll fingerprint as push “Enroll FP” button and place your finger on the sensor of BKS-2600 scanner connected to PC.

■ Set enroll method



Select enrollment method between “Enroll by fingerprint scanner” and “Get Fingerprint data from terminal”

Please make sure that “Enroll by FP scanner” should connect of BKS-2600 scanner on PC.

And push “OK” button for saving.

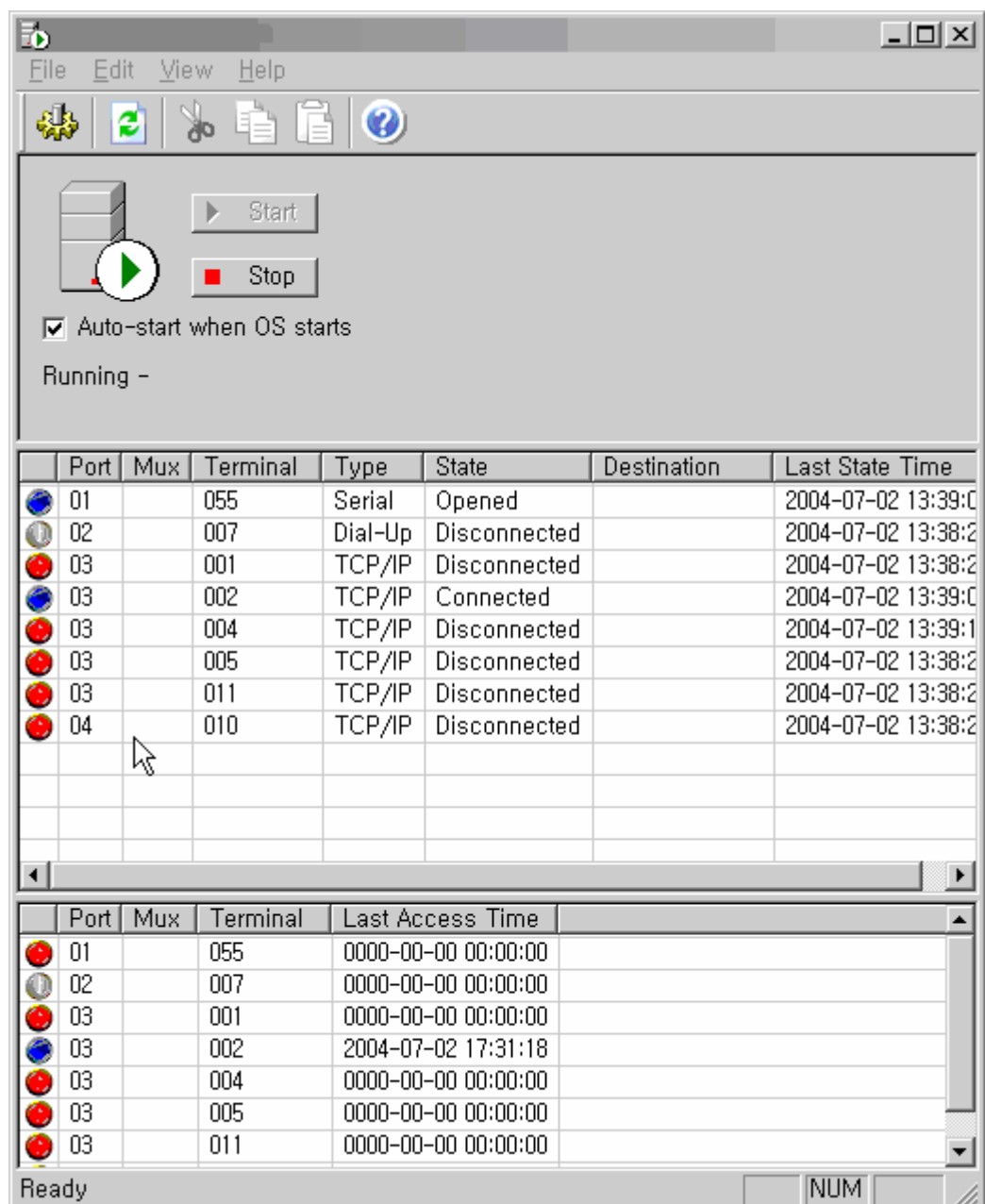
■ Useful description of word

- ① **Download** : Send data to terminal
- ② **Upload** : Get data from terminal
- ③ **FP** : Fingerprint

How to use Console Service

For communication with terminal and Console Manager Software, Window service system should be started.

Click "Bio Tele Manager" Icon on desktop and appears the below window.



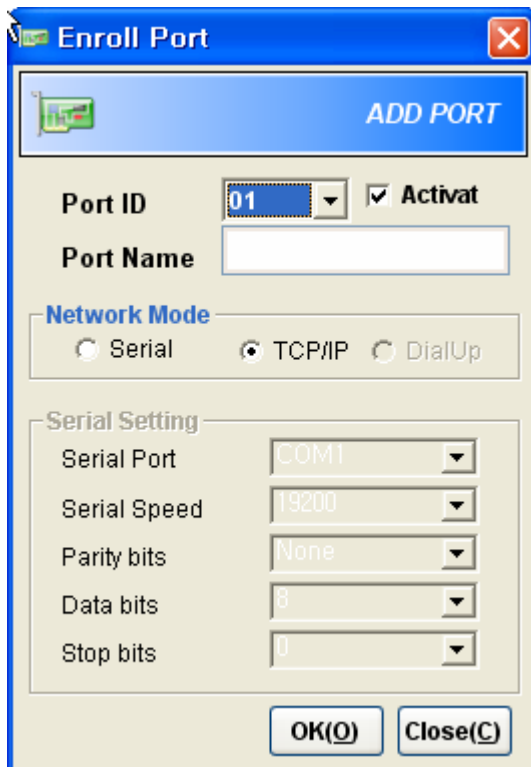
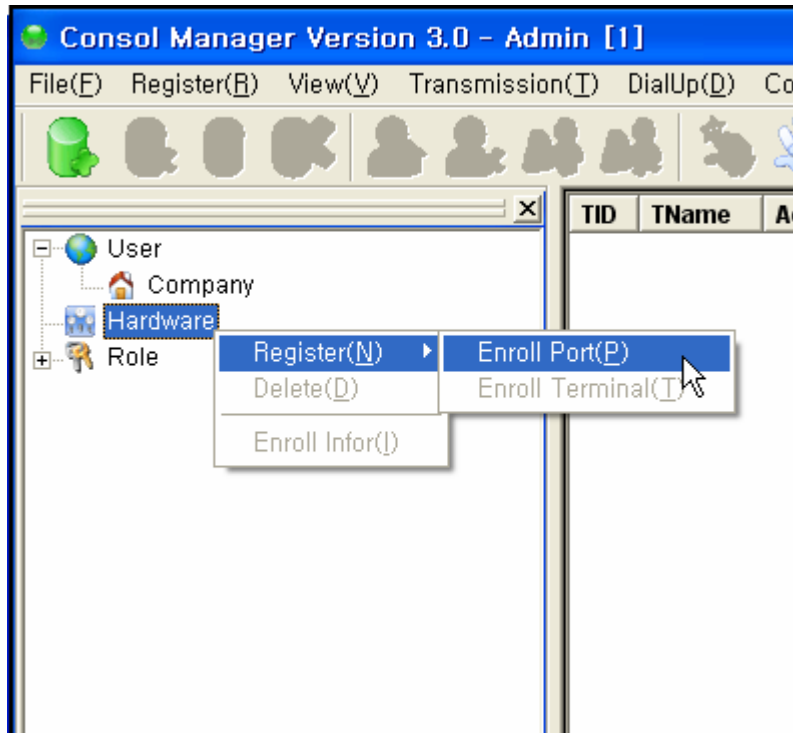
Click "Start" button and appears all status of enrolled terminal. Connected state is correct communication with server and terminal. If the state marked to disconnected, please check all condition of terminal set value and terminal set value.

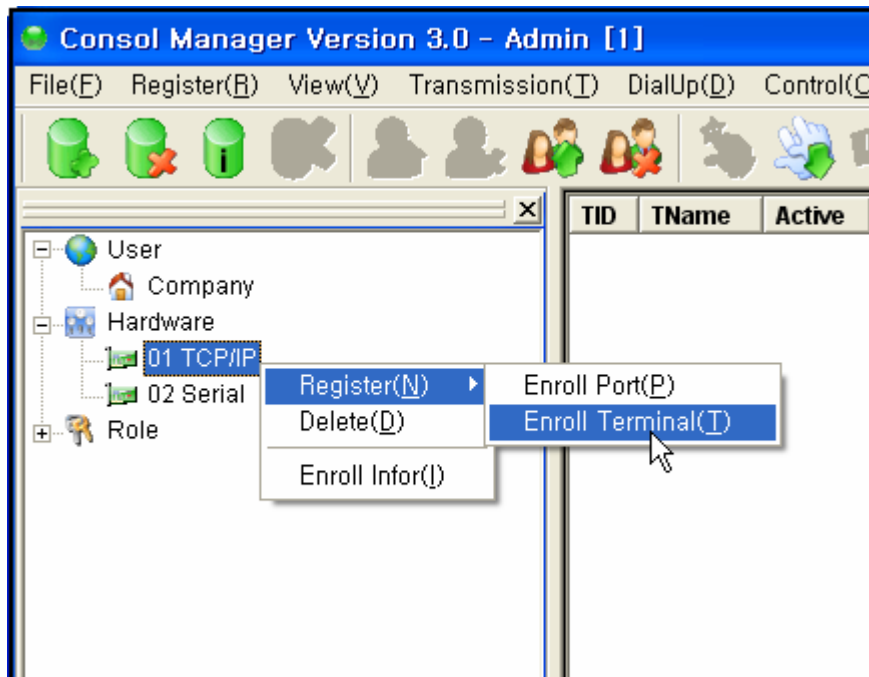
3. How to connect between Terminal and Server

Select port

It initially input 3 kind of terminal port as **Dial-up, Serial and TCP/IP**.

First choose correct port type and enroll terminal as below.





Setup TCP/IP Connection

Enroll Terminal by tree menu or menu bar to TCP/IP port

- **TID** : Terminal ID should match as terminal enrolled terminal ID the stage of "3.System=>3.Terminal ID => Shown number"
- **Name** : Input terminal name
- **Select port**
- **Server Match** is not available now
- **Check Free scan mode** if you want to use
- **TCP/IP port** should input server PC IP address.
- **Select Access module**
- **Check Temper sensor, Door open sensor, exit button** if it's available.
- **Select Security level** applied to terminal.
- **Push "OK"** button for saving.
- **After registration, Stop Console Server Manager and restart** and then you can see the terminal

Add terminal

ADD TERMINAL

TID: **001** ☒ Active

Name: Door1

Port: 02 TCP/IP

Communication: ☐ Serial ☒ TCP/IP

Set details

IP Address: 192.168.2.**

☐ Server Match ☐ FreeScan

Access module (☒ FP ☐ RF ☐ PIN)

☐ Tamper sensor available

☐ Door open sensor available

☐ Request to exit button

Lock open time: 5

Lock open schedule:

Lock close schedule:

Security Level

1 2 3 4 5

Download(D) OK(O) Cancel(C)

BKS -4800 Hardware Menu

System

1: Admin PIN

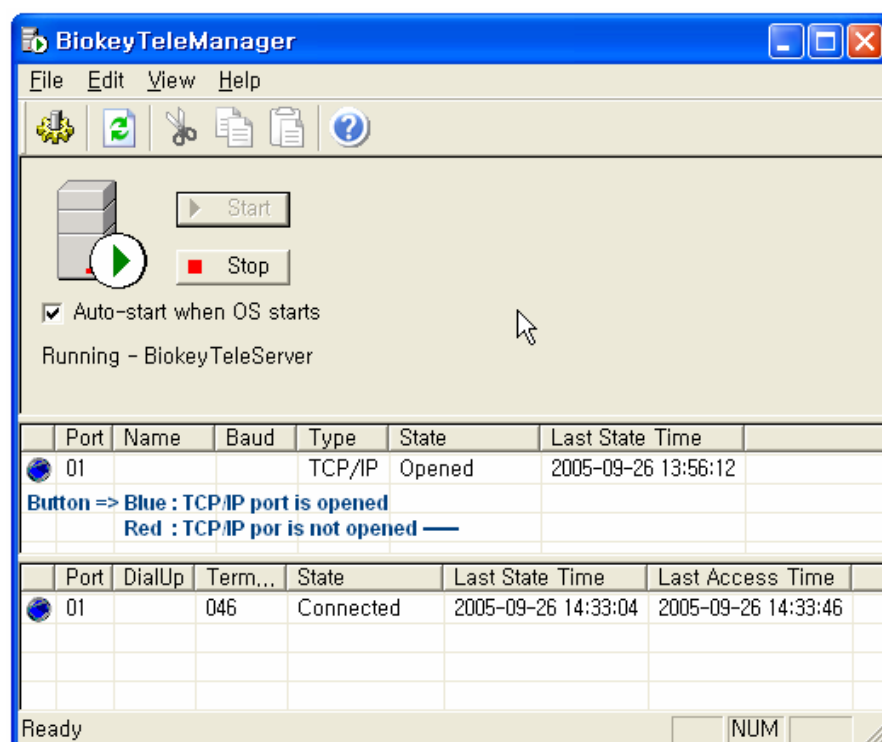
2: Admin FP

3: Terminal ID

Terminal ID

New TID(1~999)?

1 =>



- CAUTION : IF YOU SEE RED COLOR BUTTON AND CLOSE STATE, PLEASE GO TO "4. OPEN PORT FOR THE USER OF WINDOW XP SERVICE PACK2"

■ Go to " 4. Network Mode => 3. TCP/IP => Select TCP/IP network"

Administration

4: Network

Network

1: Network Mode

2: Local IP Addr

3: Subnet Mask

Network Mode

- ☐ 1: Serial
- ☐ 2: DialUp
- ☒ 3: TCP/IP

■ Input TCP/IP value

1. Local IP Address : Input Terminal IP address
2. Subnet Mask : Input Subnet Mask address

Network

- 1: Network Mode
- 2: Local IP Addr
- 3: Subnet Mask

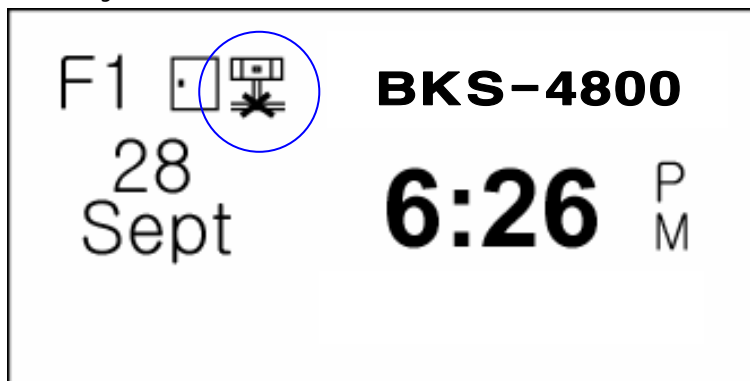
3. Gateway : Input Gateway address
4. Server Host : Input Server PC's IP address
5. Server Port : Input port number of PC server. It is set, as 8008 initially, please do not change without special cause.

Network

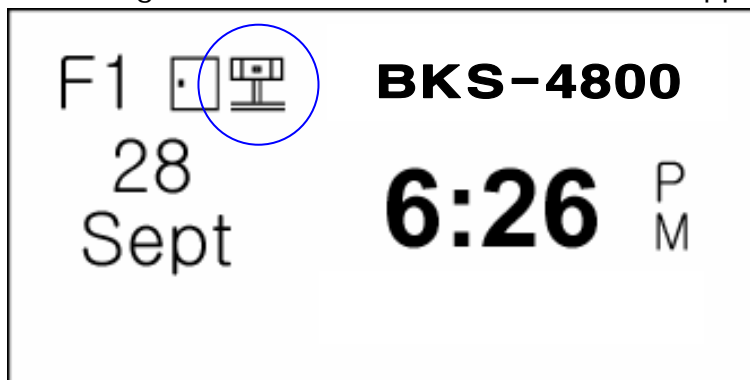
- 4: Gateway
- 5: Server Host
- 6: Server Port

■ LCD Icon change and network connection state

When you see the TCP/IP network Icon and "X" means Network disconnected.

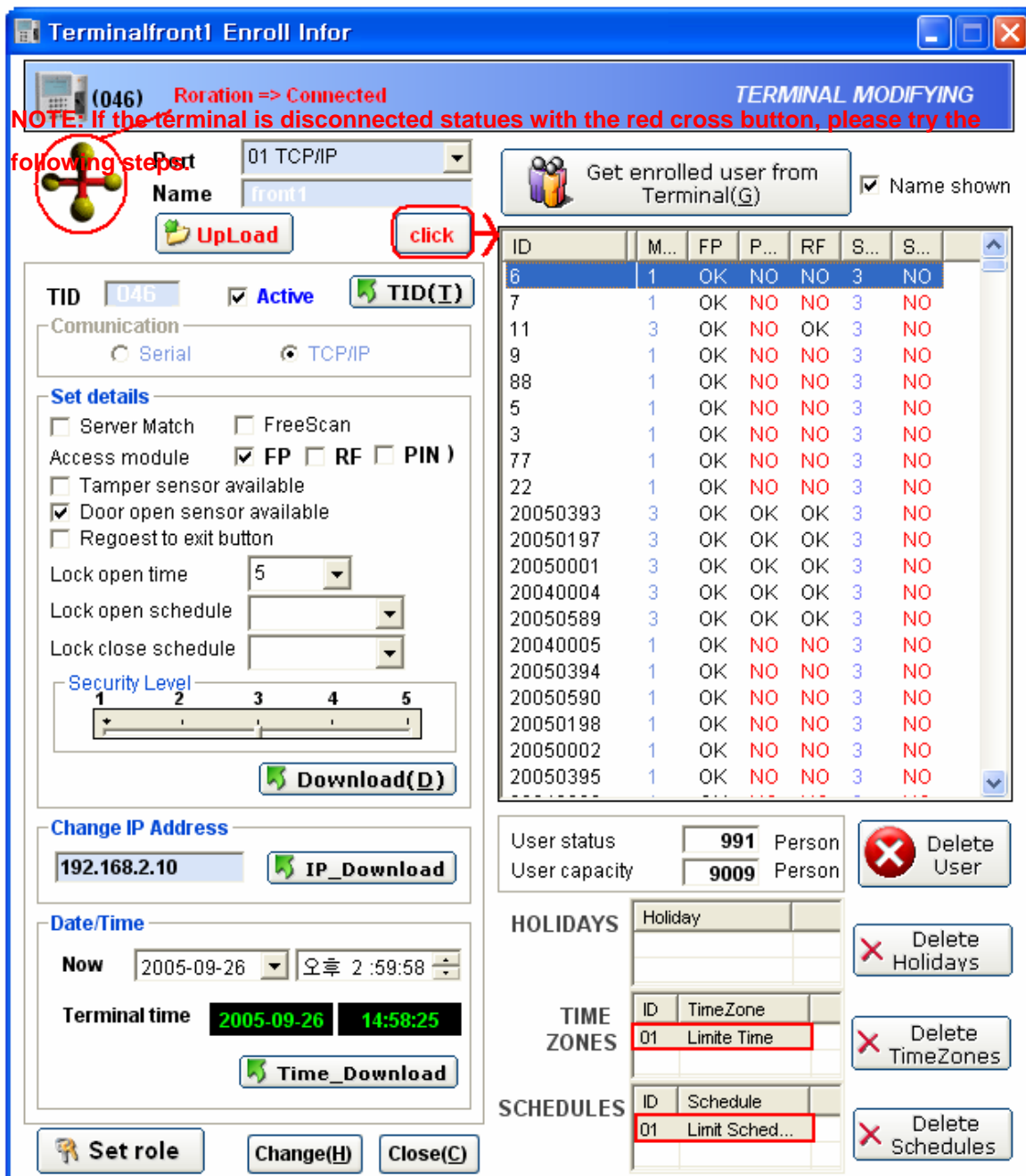


All setting value is correct and TCP/IP icon disappears "X" mark.

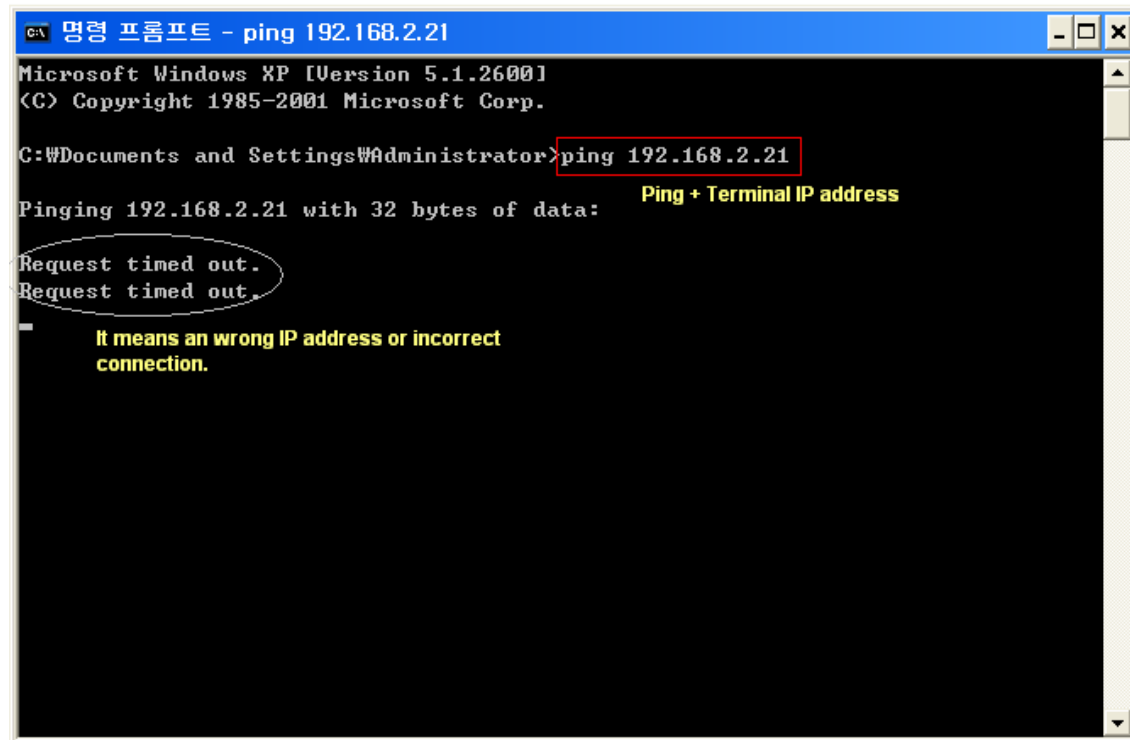


■ Console Manager connecting states

When you double click terminal on Console Manager, you can see the rotating icon as follows.



< Terminal IP Address >



The screenshot shows a Windows XP Command Prompt window titled "명령 프롬프트 - ping 192.168.2.21". The window displays the following text:

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

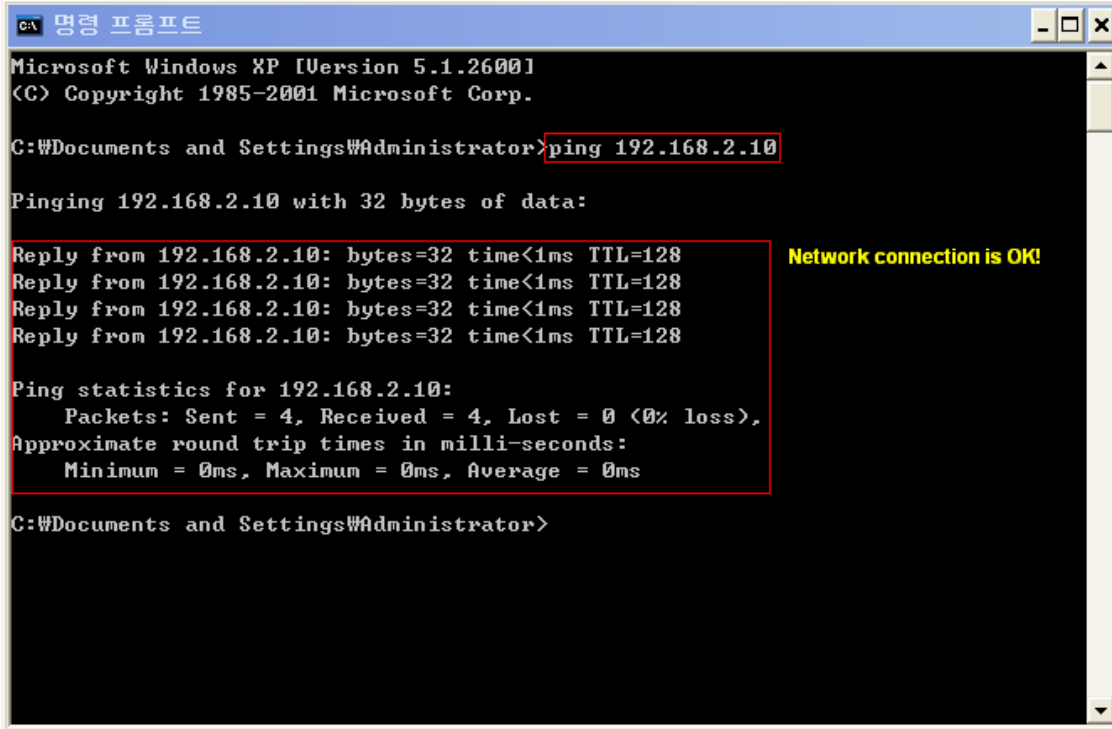
C:\Documents and Settings\Administrator>ping 192.168.2.21

Pinging 192.168.2.21 with 32 bytes of data:    Ping + Terminal IP address

Request timed out.
Request timed out.
```

Below the Command Prompt window, a yellow text box contains the message: "It means an wrong IP address or incorrect connection."

Open "command prompt" program on the server PC, write ping + Terminal IP address, if you got "Request timed out" message, it is the incorrect IP address.



The screenshot shows a Windows XP Command Prompt window titled "명령 프롬프트" (Command Prompt). The window displays the following text:

```
C:\Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Reply from 192.168.2.10: bytes=32 time<1ms TTL=128
Reply from 192.168.2.10: bytes=32 time<1ms TTL=128
Reply from 192.168.2.10: bytes=32 time<1ms TTL=128
Reply from 192.168.2.10: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\Administrator>
```

A red rectangular box highlights the four "Reply from 192.168.2.10" lines and the "Ping statistics" section. To the right of this box, the text "Network connection is OK!" is displayed in yellow.

When you receive the above message, it's the correct IP address for terminal.

< Server IP address >

Open "command prompt" program on the server PC, write "ipconfig" and push "Enter" key on the keyboard.

```
C:\명령 프롬프트
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter 로컬 영역 연결:

    Connection-specific DNS Suffix . : 
    IP Address. . . . . : 192.168.2.11
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.1

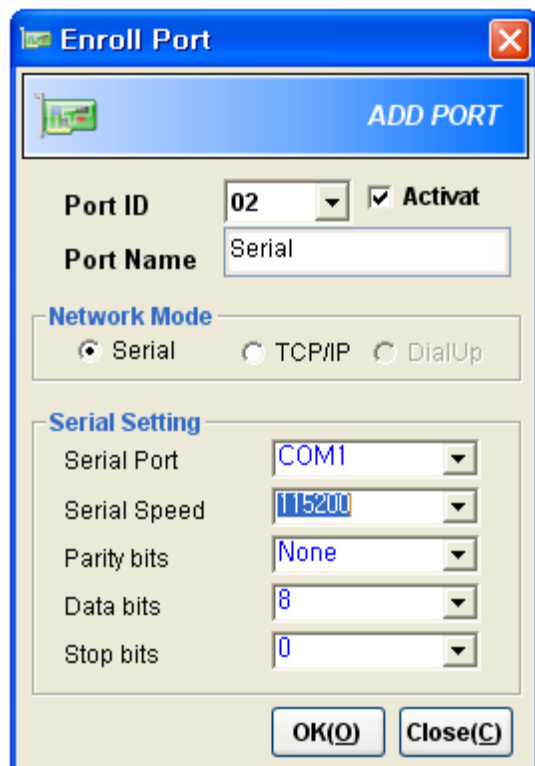
C:\Documents and Settings\Administrator>
```

The server PC's network value is appeared.

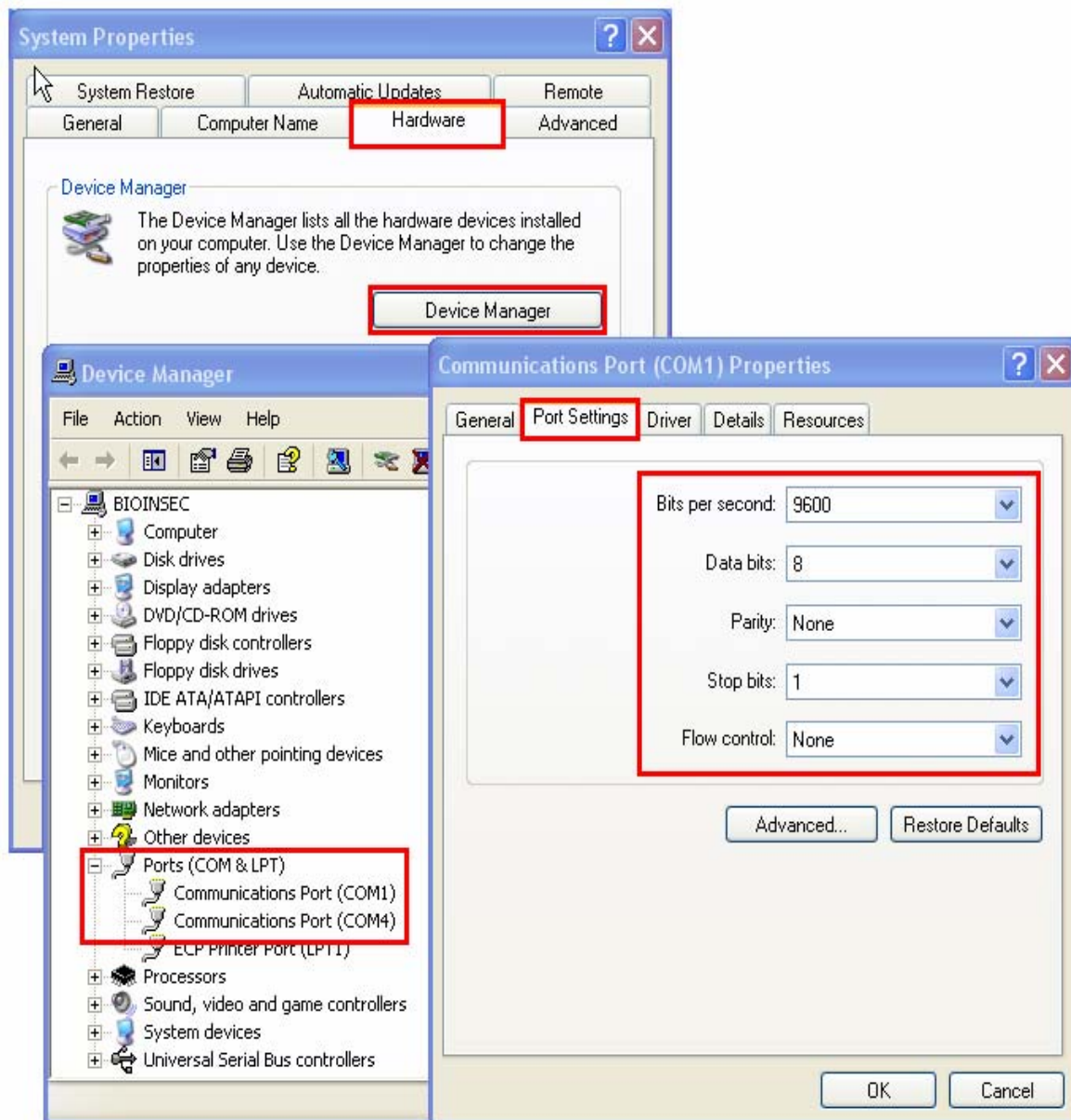
Change the correct IP setting value, it should restart "Console Server Manager" to be recognized changed value.

Setup Serial Connection

Enroll Terminal by tree menu or menu bar to Serial port



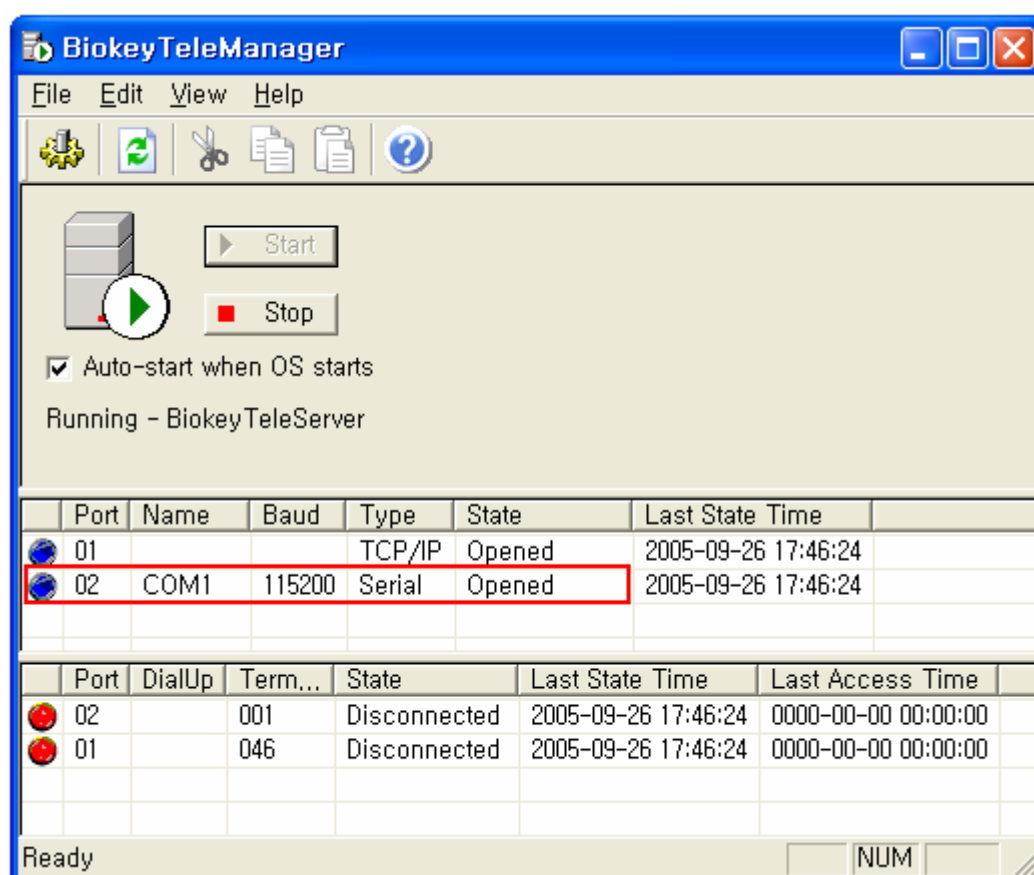
- TID : Terminal ID should match as terminal enrolled terminal ID the stage of “3.System=>3.Terminal ID => Shown number”(Refer to page 26)
- Set Serial Port, Serial Speed and others at the same value of Window setting.
(System Properties=> Hardware tab =>Device Manager => Ports => Double click “Communication Port” => Communications Port Properties => Port Settings Tab)



- Restart “Console Server Manager” and then changed Opened state of port.

When you push “Start” button on Console Manager, you can see the red box displays blue button, COM1, 115200, Serial Opened states.

If the COM1 port is not connected with terminals, you occur from the incorrect COM Port or different Baud rates.



And go to Console Manager and push “Start” button, you can see the blue button and Serial Opened status.

The first box is for the Port state between terminal and server PC. So it shows blue button of the opened state.

NOTE: If the port is not opened statues with the red button, please check your computer is installed SP2. If yes, please refers to page 12~14.

■ Add Serial terminal

Enroll Terminal by tree menu or menu bar to Serial port

Add terminal

ADD TERMINAL

TID: 001 ☒ Active

Name:

Port: 01 serial

Communication: ☒ Serial ☐ TCP/IP

Set details

IP Address:

☐ Server Match ☐ FreeScan

Access module (☒ FP ☐ RF ☐ PIN)

☐ Tamper sensor available

☐ Door open sensor available

☐ Regoest to exit button

Lock open time: 5

Lock open schedule:

Lock close schedule:

Security Level

1 2 3 4 5

Download(D) OK(O) Cancel(C)

- TID : Terminal ID should match as terminal enrolled terminal ID the stage of "3.System=>3.Terminal ID => Shown number" (refer to 26 page)

■ Set the hardware setting of serial communication

Go into the menu of terminal(CFR-3000 : 0 + <⏏) as to input "1111" as initial password.

Go to "4. Network Mode => 1. Network Mode => 1.Serial mode"

Administration

4: Network

Network

1: Network Mode

2: Local IP Addr

3: Subnet Mask

Network Mode

<input checked="" type="radio"/> 1: Serial
--

<input type="radio"/> 2: DialUp

<input type="radio"/> 3: TCP/IP

Input Serial Speed as same as Console Manager setting value(Refer to page 34).

Network

1: Network Mode

2: Serial Speed

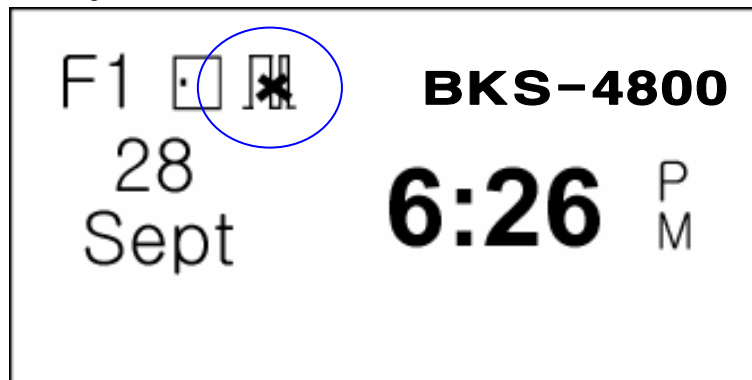
Select one value as same as Console Manager setting value. (Refer to page 33~34)

1. 9600
2. 19200
3. 38400
4. 57600
5. 115200

Serial Speed
<input type="radio"/> 4: 57600
<input checked="" type="radio"/> 5: 115200

LCD Icon change and network connection state.

When you see the Serial network Icon and "X" means Network disconnected.



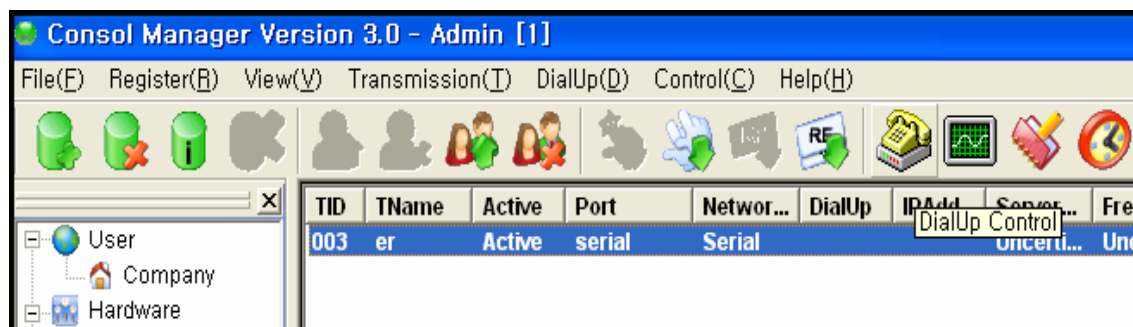
All setting value is correct and Serial icon disappears "X" mark.



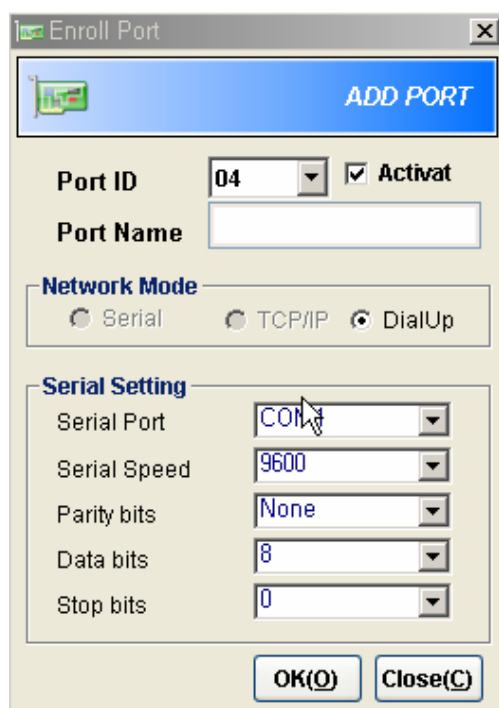
Setup Dial-Up Connection

Go to “DialUp(D) => DialUp Control” of Menu bar and the above Dial-up setting window appears.

- Click “ADD” button when cursor is on DialUp (telephone image).



- Add port window appears



- Input port name first. Set Serial port and serial speed.(Refer to page 34)
- Click “ADD” button when cursor is on enrolled Port.
- ADD Terminal window appears

DialUp Terminal

ADD TERMINAL

TID: 006

Port: 03 efd

Name:

DialUp Tel:

DialUp Time: : ~ :

OK(O) Close(C)

- Input "Name" DialUp setting. It should be direct telephone No. extension No is not available.
- If the modem is connected to 485 serial connection, give telephone No and Dial-up time to one terminal only. For enrollment of rest of terminals, Click "ADD" button when cursor is on enrolled Terminal. The below window appears.

DialUp Terminal

ADD TERMINAL

TID: 006

Upper TID: 004

Name:

DialUp Tel:

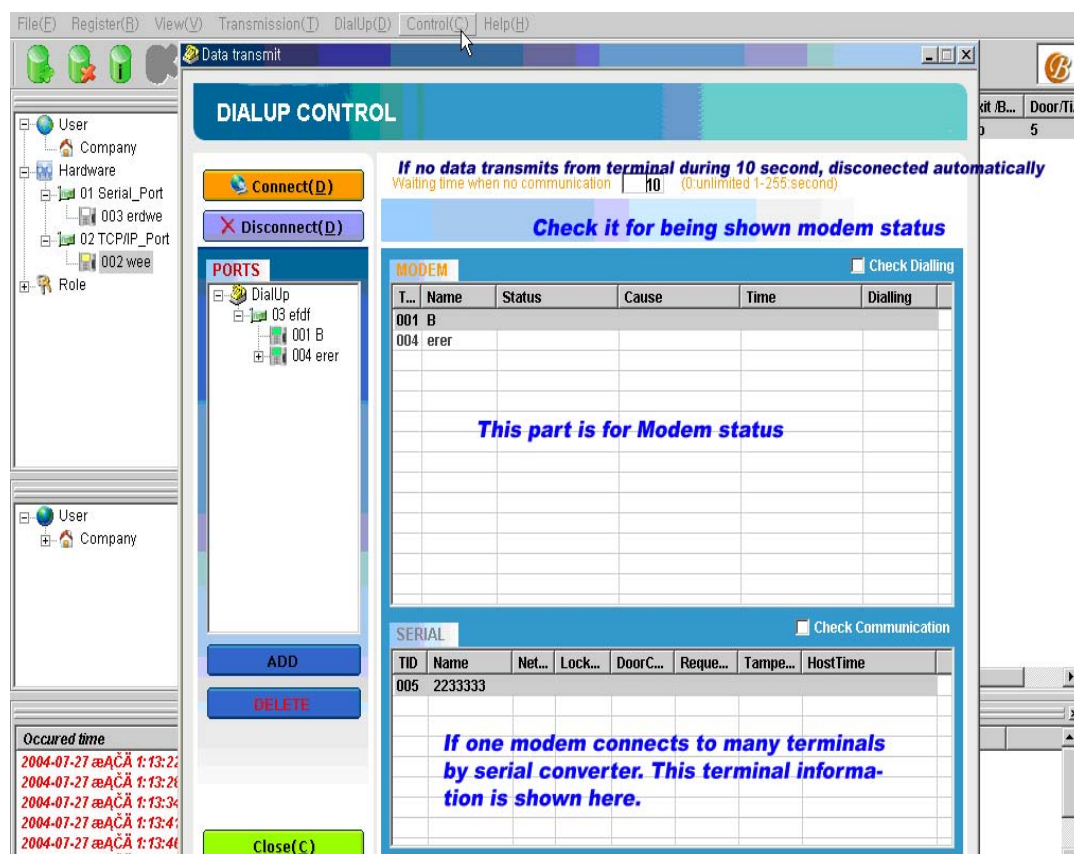
DialUp Time: : ~ :

OK(O) Close(C)

- It couldn't input Tel number and time so just input **correct TID & Name**.
- After set, click DialUp on the menu bar and the below window appears.
- The right section is shown enrolled dial-up terminal. For calling to terminal, select terminal and push "Connect(D)" button. All modem connection status is shown in "MODEM" and "SERIAL" section.
- For checking dialing status, please check tick mark of Checking Dialing.
- 10 seconds mean, when terminal doesn't send data to server for 10 seconds, modem disconnected. This setting value can't change in automatic connection, but manual

connection as to click Connect button can give new value 0~ 255 seconds. 0 is continually connection(unlimited connect time) 1 is disconnect after no data for 1 second. 255 is disconnect after no data for 255 seconds.

- If modem connects to several terminals by serial converter, SERIAL section shows all sub terminals of modem.
- After terminal registration, Stop service and restart.

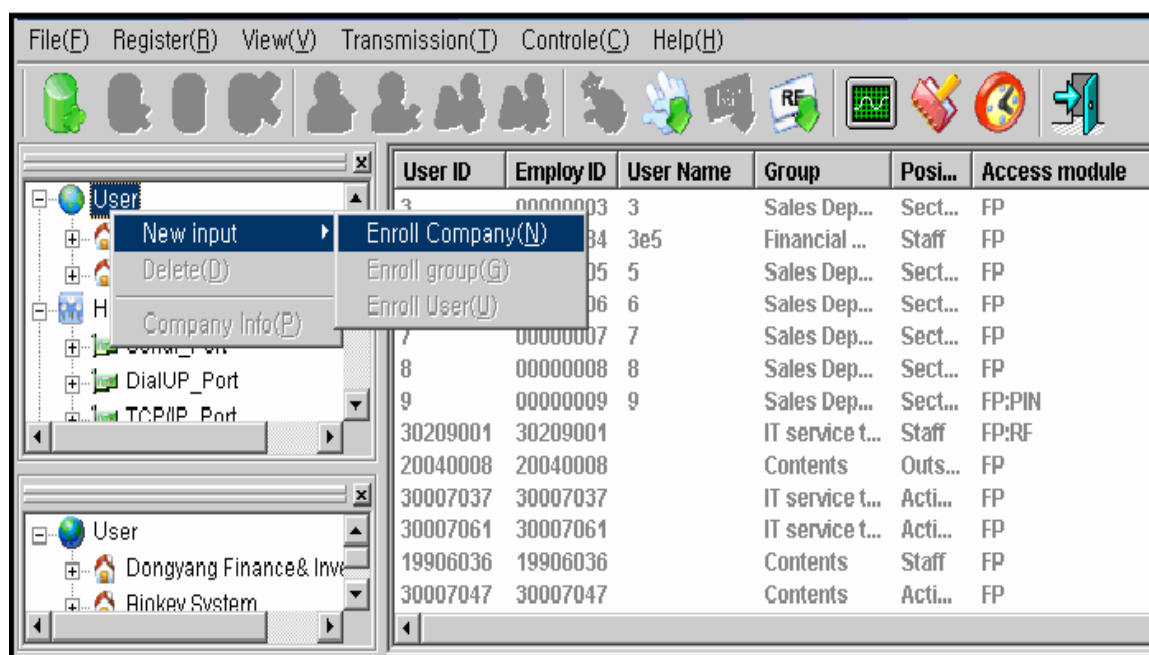


- Set details :
- Server Match is not available(plan to update this function),
- Free scan mode can set here and terminal
- Access module : possible to check here and terminal.
- Door open time : Door close after 5 seconds.
- Door open schedule : If user wants to keep opening door within given schedule time.
- Door close schedule : If user wants to keep closing door within given schedule time.
- Download : if you change any value, click Download button for applying.
- Holiday, TimeZone, Schedule is shown registered value of terminal, so if you want to apply schedule to user and terminal, it must have schedule value on terminal.

4. How to enroll User

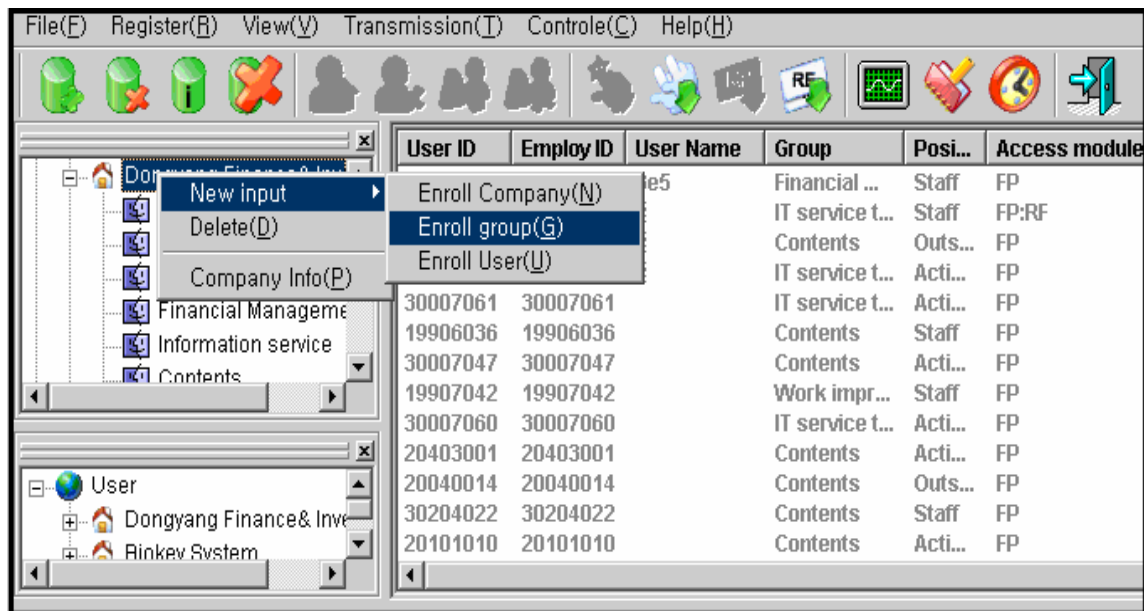
Enroll company

Select User and click the right button of mouse as the below picture or go to menu bar of stage (Register=> Company=>New).



Enroll Group (Department or Branch)

After enrolled company, enroll group(Company department or branch) as sub menu of enrolled company.

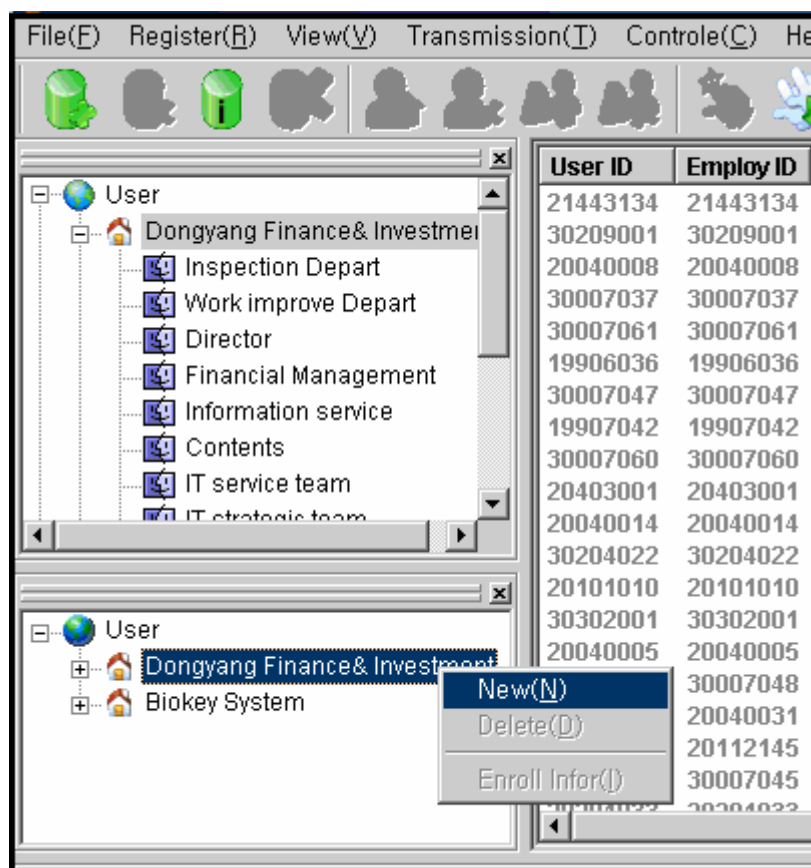


Sub group can be made under upper group.

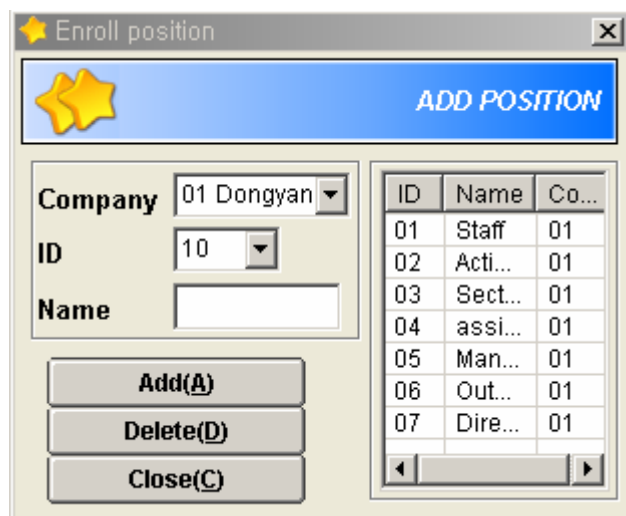


Enroll position

Select User and click the right button of mouse as the below picture or go to menu bar of stage (Register=> Position=>New)



When click enroll position, this window appears. It can be enrolled by company.



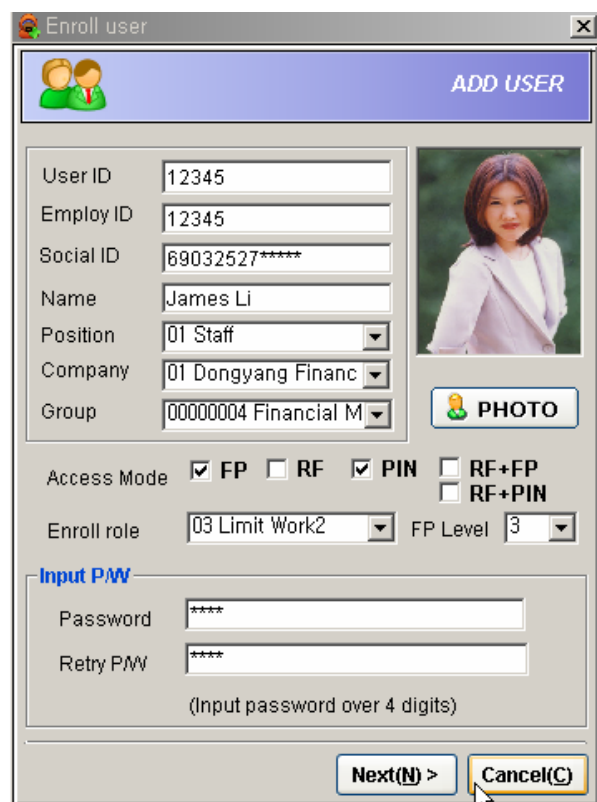
The 'Enroll position' window features a blue header with a star icon and the text 'ADD POSITION'. On the left, there are input fields for 'Company' (set to '01 Dongyan'), 'ID' (set to '10'), and 'Name'. Below these are three buttons: 'Add(A)', 'Delete(D)', and 'Close(C)'. On the right, a table lists available positions:

ID	Name	Co...
01	Staff	01
02	Acti...	01
03	Sect...	01
04	assi...	01
05	Man...	01
06	Out...	01
07	Dire...	01

Enroll User

Click the right button of mouse at selected Group or go to menu bar of stage (Register=> User=>New)

If you want to use Time & Attendance software, should select position, company and group correctly. BMP file is only available for photo upload.



The 'Enroll user' window has a purple header with a user icon and the text 'ADD USER'. It contains several input fields: 'User ID' (12345), 'Employ ID' (12345), 'Social ID' (69032527*****), 'Name' (James Li), 'Position' (01 Staff), 'Company' (01 Dongyang Financ), and 'Group' (00000004 Financial M). A 'PHOTO' button with a user icon is next to a photo placeholder. Below these are 'Access Mode' checkboxes: ☒ FP, ☐ RF, ☒ PIN, ☐ RF+FP, and ☐ RF+PIN. There are also fields for 'Enroll role' (03 Limit Work2) and 'FP Level' (3). A section titled 'Input P/W' contains 'Password' and 'Retry P/W' fields, both showing four asterisks. A note below says '(Input password over 4 digits)'. At the bottom are 'Next(N) >' and 'Cancel(C)' buttons.

When BKS-2600 scanner is connected, click “First FP enroll” button for fingerprint enrollment.

input	description
*User ID	Input User ID the range of 1~8 digit(0~99999999)
*com-ID	Company ID or employee No, 1~8(0~99999999) digit.
*User Name	Input user name
*Social No	Input user social No.
*Position	Select user position.
*Depart	Select user department
*Access mode	Select FR, RF, PIN, RF+FP, RF+PIN
*Set role	Set role by personal
Security level	Set security level by personal
Password	Input 1~8 digit(0~99999999).
Retry Password	Retry password for confirmation

- Security level

FP level	description
0	Same security level as terminal's setting level
1	Very low
2	Low
3	Normal
4	High
5	Very high

If not, enroll in Terminal and use “Get FP data” function. Please push “Next” button after enrollment done.

- Manually : Select manually the most optimum image as to click “OK” button.
- Automatically : Select automatically the most optimum image.



Enroll user

ADD USER

First FP enrolled !

☐ Manually
☒ Automatically

First FP enrolled !

Enroll second FP

[Get FP data from Terminal](#)

TID

Get FP data(G)

Cancel(C) <Back(B) Next(N) > O.K(O)

This is for EM TYPE enrollment and work type for Time & Attendance. Push “OK” button after input done. Please select “User work time status” if you want to Time & Attendance software and detail information is in Time & Attendance chapter.

Input	Description
RF-CARD enroll	Enroll RF-CARD by EM TYPEcard reader.
Card status	Normal, stolen or lost
*Validity	User validity period
User type	Permanent, yearly contact, temporally, daily
User work time status	Set user work time.
Remark/memo	Record meno

Validity mean is the user usage period by set value.

This function is for transmit enrolled user data to terminal, and push "Download" button for saving on terminal.

All enrolled process is done but for using Access limit or Time & Attendance software, please see the corresponding chapter before user enrollment.

Transmit all data

 **DOWNLOAD ALL USER**

TID	Name	Result
<input type="checkbox"/> 001	B	
<input type="checkbox"/> 002	wee	
<input type="checkbox"/> 003	erdwe	
<input checked="" type="checkbox"/> 004	erer	
<input checked="" type="checkbox"/> 005	2233333	

☐ Select all Terminal

 **Download(D)** **Close(C)**

Green color : Dial-up terminal

Black color : TCP/IP, Serial

5. Set Schedule & Role

< Example of How to use >

*Group

A Group : CEO & Executive

B Group : Administrator

C Group : Office Worker

D Group : Factory Worker- Line1

*Access permitted Area

A Group : 1~10 (Terminal ID)

B Group : 4~10 (Terminal ID)

C Group : 4~10 (Terminal ID)

D Group : 7~10 (Terminal ID)

Group	Holiday	Working time	Access time	Access Area
A : CEO	SUN SAT	09:00~18:00	All day with Holiday	All terminals
B : Admin	NONE	09:00~18:00	06:00~22:00	TID :4~10
C : Office	SUN 2&4 th of SAT 1 day of 15 th	09:00~18:00 SAT : 09:00~13:00	08:00~19:00 SAT: 08:00~14:00	TID:4~10
D : Line1	SUN 3days of 10,20,30 th	09:00~15:00 16:00~19:00	08:00~15:15 16:15~20:00	TID:7~10

Other conditions: **National Holiday 19th** , All Groups are applied to holiday

Step1

Holiday Setting

Go to the stage of “menu => Register => Schedule => Holidays”.

You can select a repeated common holiday on the schedule table.

What is repeated common holiday?

Every Sunday, Saturday

Rotating day of week like every 2nd & 4th of Saturday or every 1st of Monday etc...

You don't have to enroll on holiday list all these days.

It can be made the 3 holiday table

1. 19th => A,B Group
2. 15th , 19th => C Group
3. 10th , 19th , 20th , 30th => D Group

Select date => Choose Holiday Table => Enroll

Enroll Holiday

HOLIDAY DEFINITION

Date	Holiday
20070210	Line 10
20070213	C Group
20070219	National Holiday
20070223	Line 30
20070226	Line 20

Enroll Delete

Change Close

Holiday :

Date :

Holiday Table

☒ 1. Holiday ☐ 3. Holiday ☐ 2. Holiday ☐ 4. Holiday

Period

Set

2007 YEARS 2 MONTHS

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Step 2

Time zone setting

Go to the stage of “menu => Register => Schedule => Time Zones.”

Note: You don't need to register No entry (All day limited to enter) time zone for default value.

If the working time is 00:09~20:00, you can give one or half hours more time than working hour for early attend and late leave workers.

01 Limit Time : 00:00~00:00 => Access granted for all day

02 Admin : 06:00~22:00 => This is for B group of 09:00~18:00 working time.

ID	Name
01	All day
02	Admin

03 Office : 08:00~20:00 => This is for ABC Group of 09:00~18:00 working time.

04 SAT : 0800~14:00 => This is for C Group of Saturday 09:00~13:00 working time.

Enroll time zone

TIME ZONE Modifying

ID: 05 Modify

Name: Line1

Time zone

☒ 1. 08:00 ~ 15:15
☒ 2. 16:15 ~ 20:00
☐ 3. 00:00 ~ 00:00
☐ 4. 00:00 ~ 00:00

ID	Name
01	All day
02	Admin
03	Office
04	SAT
05	Line1

Register(N) Close(C) Change(H) Delete(D)

05 Line : 08:00~15:15, 16:15~20:00 => This is for D group of 09:00~19:00 and 15:00~16:30 Break time.

Totally 5 different time zones are required for it.

Step 3

Schedule

Go to the stage of "menu => Register => Schedule => Schedules".

A Group setting => Access All day

Select "01 All day" for every setting.

Please be careful of "Enroll Holiday" should be set "Holiday1" and select "01 All day"

Enroll Schedule

ID:
Name:

Work schedule

SUN :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
MON :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
TUE :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
WED :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
THU :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
FRI :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
SAT :	<input type="text" value="01 All day"/>	<input type="text" value="00:00 ~ 23:59"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Set every other week

☐ 1 week
☐ 2 week
☐ 3 week
☐ 4 week
☐ 5 week

Every other week:
 ~
 ~
 ~

Enroll Holiday

~
 ~

C Group setting

Please be careful of 2nd and 4th Saturday holiday setting and select “32 No Entry” for Sunday.

Week : 03 Office time zone

Set every other week : check 2nd & 4th of Saturday and select “32 No Entry”

Enroll Holiday : Select “Holiday02” and “32 No Entry”

Enroll Schedule SCHEDULE

ID: 03
Name: C Office Modify >>

Work schedule

SUN :	32 No Entry		~			~			~			~	
MON :	03 Office	08:00	~	20:00		~			~			~	
TUE :	03 Office	08:00	~	20:00		~			~			~	
WED :	03 Office	08:00	~	20:00		~			~			~	
THU :	03 Office	08:00	~	20:00		~			~			~	
FRI :	03 Office	08:00	~	20:00		~			~			~	
SAT :	03 Office	08:00	~	20:00		~			~			~	

Set every other week

☐ 1 week
 ☒ 2 week
 ☐ 3 week
 ☒ 4 week
 ☐ 5 week
 Select day of week: SAT

Every other week: 32 No Entry

Enroll Holiday

Holiday: 32 No Entry

Modify timezone
Modify Holiday
O.K(O)
Close(C)

D Group setting

Holiday : Select "Holiday3" and "32 No Entry"

Sunday : Select "32 No Entry".

Enroll Schedule [Min] [Max] [Close]

SCHEDULE

ID: **04** Modify >>>

Name:

Work schedule

SUN :	32 No Entry		~			~			~	
MON :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	
TUE :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	
WED :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	
THU :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	
FRI :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	
SAT :	05 Line1	08:00	~	15:15	16:15	~	20:00		~	

Set every other week

☐ 1 week
 ☐ 2 week
 ☐ 3 week
 ☐ 4 week
 ☐ 5 week
 Select day of week: **SAT**

Every other week: 32 No Entry

Enroll Holiday

All schedules are set as 4 different schedule ID using by time zone and holiday.

Step 3

Role setting

Go to the stage of “menu => Register => Role => New”.

The role setting makes easy access control for several terminals together.

A CEO can pass any door so first you select “01 A CEO” schedule and then add applied terminals. CEO group can pass any door so select all terminals.

Enrolled Infor

ROLL INFOR

Role ID:

Role Name:

Limited terminal

TID	Name	Sc
001	CEO	01
002	Director1	01
003	Technical A...	01
004	Office1	01
005	Office2	01
006	Office3	01
007	Line1	01

Terminal status

TID	Name
Schedule	
01 A CEO	

Add

Change(H) **Cancel(C)**

D Line1 group can pass 7~10 terminals only, **first select “04 Line1” and add 007~010 TID to Limited terminal field.**

001~006 terminals: Select “32 No Entry” and then add to limited terminal field.

Enroll Roll

ADD ROLL

Role ID: 04

Role Name:

Limited terminal

TID	Name	Sch...
-----	------	--------

Terminal status

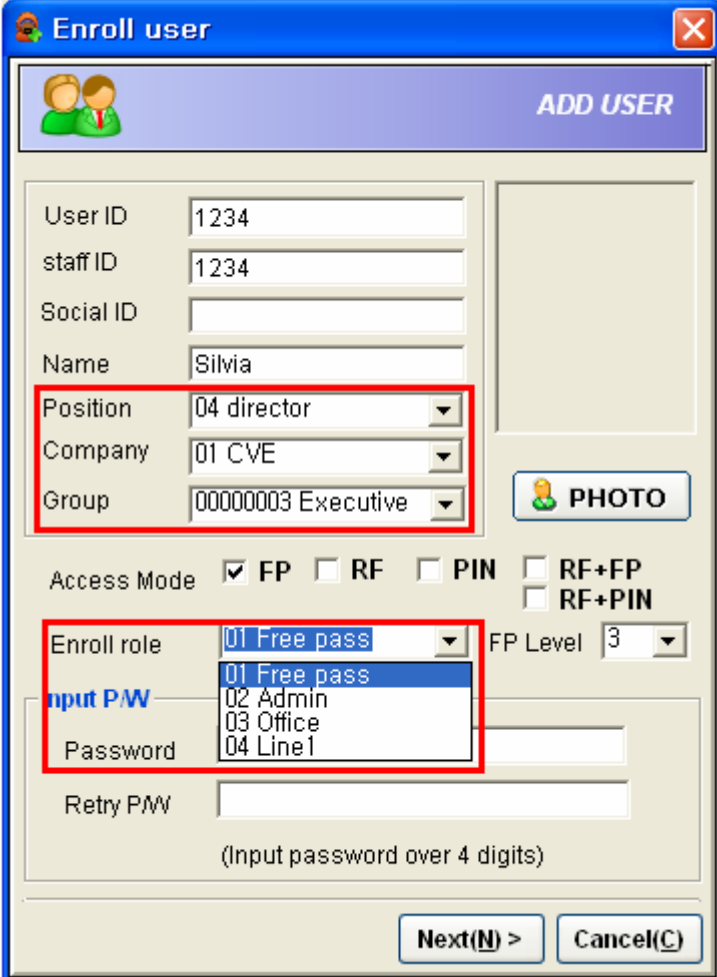
TID	Name
001	CEO
002	Director1
003	Technical Ad...
004	Office1
005	Office2
006	Office3

<<

01 A CEO
02 B Admin
03 C Office
04 Line1
32 No Entry

Step 4**Apply to user registration**

Position : Director applies for "01 Free pass" role



The image shows a Windows-style dialog box titled "Enroll user" with a close button (X) in the top right corner. The dialog has a header bar with a user icon and the text "ADD USER". Below the header, there are several input fields and a "PHOTO" button. The fields are: User ID (1234), staff ID (1234), Social ID (empty), Name (Silvia), Position (04 director), Company (01 CVE), and Group (00000003 Executive). The Position, Company, and Group fields are highlighted with a red rectangle. Below these fields are checkboxes for Access Mode: FP (checked), RF, PIN, RF+FP, and RF+PIN. Below the checkboxes is a dropdown menu for "Enroll role" with the following options: 01 Free pass, 02 Admin, 03 Office, and 04 Line1. The "01 Free pass" option is highlighted with a red rectangle. To the right of the "Enroll role" dropdown is a "FP Level" dropdown set to 3. Below the "Enroll role" dropdown is a "Password" field and a "Retry P/W" field. Below the "Password" field is a note: "(Input password over 4 digits)". At the bottom of the dialog are two buttons: "Next(N) >" and "Cancel(C)".

Enroll user [X]

ADD USER

User ID: 1234
staff ID: 1234
Social ID:
Name: Silvia
Position: 04 director
Company: 01 CVE
Group: 00000003 Executive

PHOTO

Access Mode: ☒ FP ☐ RF ☐ PIN ☐ RF+FP ☐ RF+PIN

Enroll role: 01 Free pass
02 Admin
03 Office
04 Line1

FP Level: 3

Input P/W:
Password:
Retry P/W:
(Input password over 4 digits)

Next(N) > **Cancel(C)**

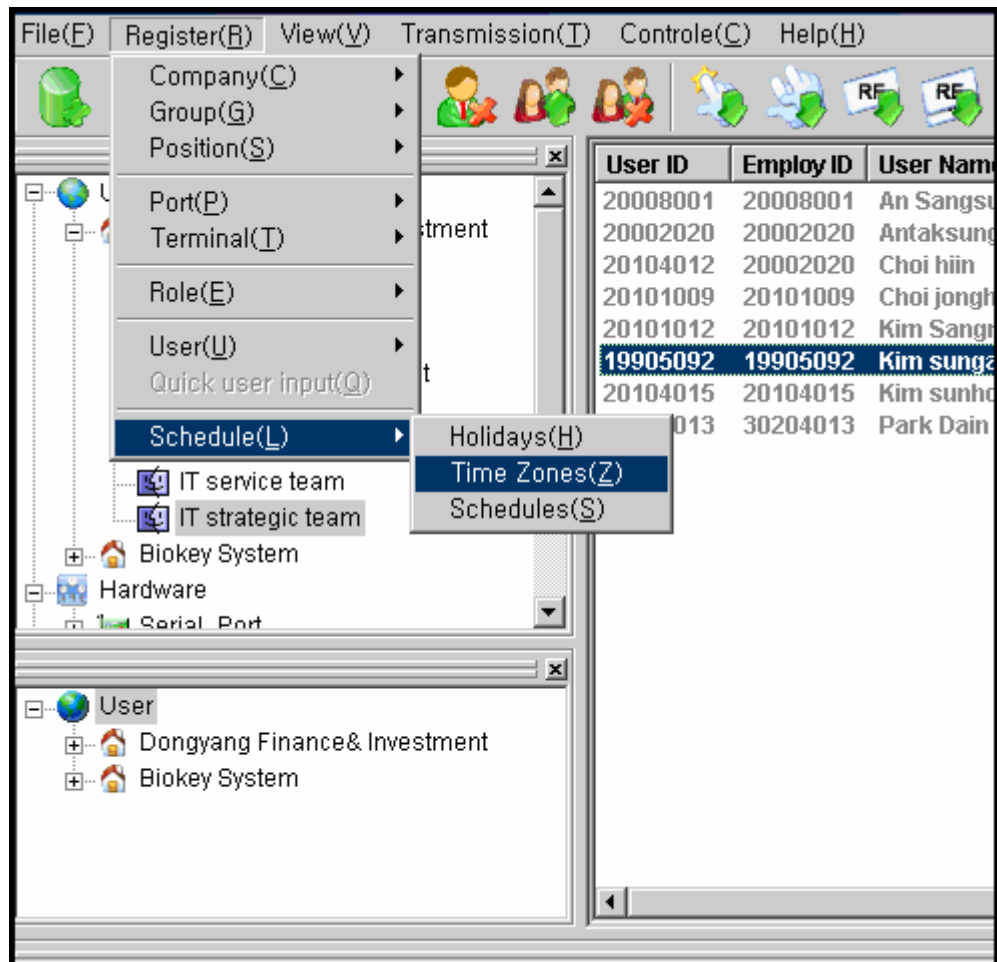
5.1 Set Schedule

If terminal uses for Access control, it should be set correctly.

This software makes you manage the weekly schedule and base of Role function together.

5.1.1 Set Holiday

Go to the stage of (Register=> Schedule=> Holiday)



The below window appears when push "Holiday" of menu

Holiday table is initially set as "1 Holiday" is for dividing holiday type.

For example, Type 1 is for Sunday, Type 2 is for National Holiday, Type 3 is for Company day off and if 4th of July is including Sunday and National Holiday, please check "1 Holiday" & "2 Holiday".

Enroll Holiday

HOLIDAY DEFINITION

Date	Holiday
20070204	New year holiday
20070211	Sunday 1
20070218	Sunday 2
20070225	Sunday 3

Holiday : Sunday 3

Date : 2007/02/25

Holiday Table

☒ 1. Holiday ☐ 3. Holiday ☐ 2. Holiday ☐ 4. Holiday

Set

2007 YEARS 2 MONTHS

SUN	MON	TUE	WED	THU	FRI	SAT
						1 2 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

Enroll **Delete** **Change** **Close**

Holiday Table section

(EXAMPLE)

"A" group holiday => All Sunday and Saturday

"B" group holiday => All Sunday

"C" group holiday => All Sunday and 3 days of 10, 20 and 30th

EX) "A" group is day off all Sunday and National Holiday

"B" group is day off all Saturday and National Holiday.

"C" group is day off 10,15,20,15,30.

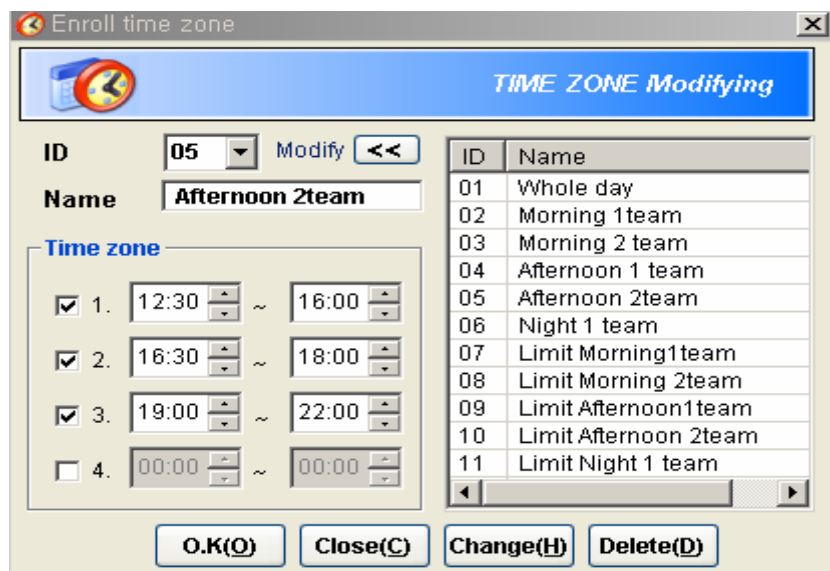
So you can make Holiday 1,2,3 by worker schedule.

For falling on day, check included schedule. For example "A" & "B" group has same holiday as National Holiday. If it is 6th of July, click and select "1.Holiday" & "2.Holiday" together.

5.1.2 Set Time Zone

Go to the stage of (Register=> Schedule=> Time Zones). And the below window appears.

.Input Name and Time Zone. **It can be input 4 times a day (0 ~ 23:59).**



ID	Name
01	Whole day
02	Morning 1team
03	Morning 2 team
04	Afternoon 1 team
05	Afternoon 2team
06	Night 1 team
07	Limit Morning1team
08	Limit Morning 2team
09	Limit Afternoon1team
10	Limit Afternoon 2team
11	Limit Night 1 team

For easy comprehension, time zone is divided by working group time as like Morning 1 team & 2 team, Afternoon 1 team & 2 team and Night 1 team.

EX) Whole day : 00:00~24:59

Morning 1team working time : 06:00~ 16:00

Morning 2 team working time : 07:00~10:00, 13:00~19:00

For setting value of time zone.

Morning 1 team : 05:00~17:00

Morning 2 team : 06:00~11:00, 12:00~20:00

You should consider of time gap for enter company and leave company around 30 min~1 hour.

5.1.3 Set Time Schedule

After set time zone, set weekly time schedule.

"Set every other week" is for fixed day off, it gets an advantage over the Holiday.

"Enroll Holiday" should be selected of Holiday type and time set by time zone.

Enroll daytime work time

SCHEDULE MODIFYING

ID: 02
Name: Work1

Work schedule

Day	Team	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6
SUN	06 Night 1 team	19:00 ~ 21:00	22:00 ~ 23:59				
MON	02 Morning 1team	04:00 ~ 09:00	10:00 ~ 13:00				
TUE	04 Afternoon 1 team	10:00 ~ 13:00	14:00 ~ 19:00				
WED	05 Afternoon 2team	12:30 ~ 16:00	16:30 ~ 18:00	19:00 ~ 22:00			
THU	06 Night 1 team	19:00 ~ 21:00	22:00 ~ 23:59				
FRI	02 Morning 1team	04:00 ~ 09:00	10:00 ~ 13:00				
SAT	03 Morning 2 team	06:00 ~ 12:00	13:30 ~ 16:00				

Set every other week

☐ 1 week ☒ 2 week ☐ 3 week ☒ 4 week ☐ 5 week

Select day of week: SAT

Every other week

01 Whole day 00:00 ~ 23:59

Enroll Holiday

Holiday 01 Whole day 00:00 ~ 23:59

Buttons: Modify timezone, Modify Holiday, O.K(O), Close(C), Change(H), Delete(D)

ID	Name
01	Whole week
02	Work1
03	Limit work1
04	Work 2
05	Limit work2
06	Wrok3
07	Limit Work3

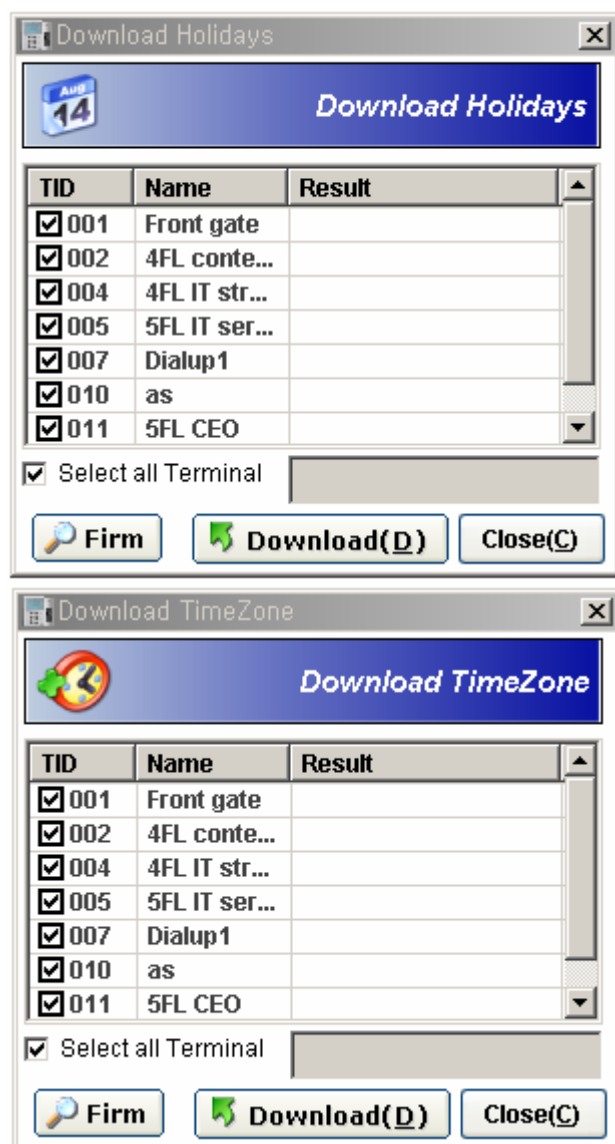
- Access control time : Please see the above picture. Sunday Night 1 team only can enter the door during set time(19:00~21:00, 22:00~23:59). When worker try to enter except set time(00:00~18:59, 21:01~21:59), access denied with authentication failed message appears
- Set every other week : This function is for company extra settled day off every other week. For example, "A" company is day off 2,4 Saturday. If you want to give value whole day close door, give time value to 00:00~00:01 or 23:58~23:59.
- Enroll Holiday : Please remember Holiday setting and give holiday value. And select one time zone. For example, you want to open only day time during Holiday, set as 10:00~16:00 or just close whole day set as 00:00~00:01 or 10:00~10:01 (Minimum time gap is 1 min)

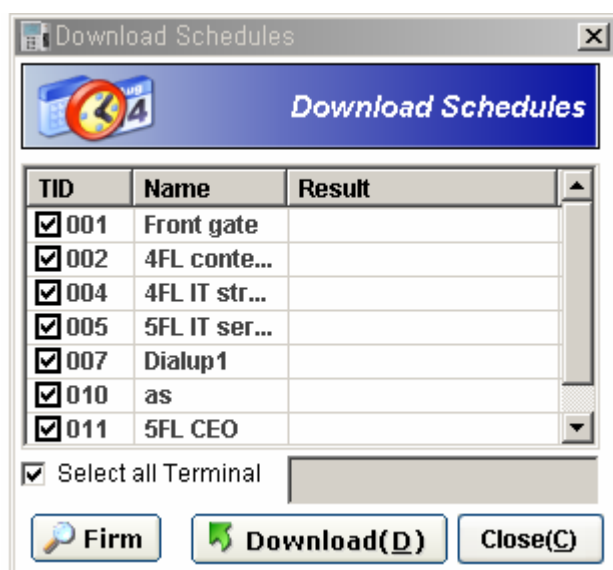
5.2 Transmit Schedule to terminal

For use of Schedule & Role function, all record should be sent to selected terminal as to click the "Download" button of the window to be shown after saving.

The below window automatically appears when all process finished.

Without transmit to terminal, schedule and role functions can't apply.





* Green Color is DialUp connection terminal.

* Black Color is TCP/IP and Serial terminal.

5.3Role

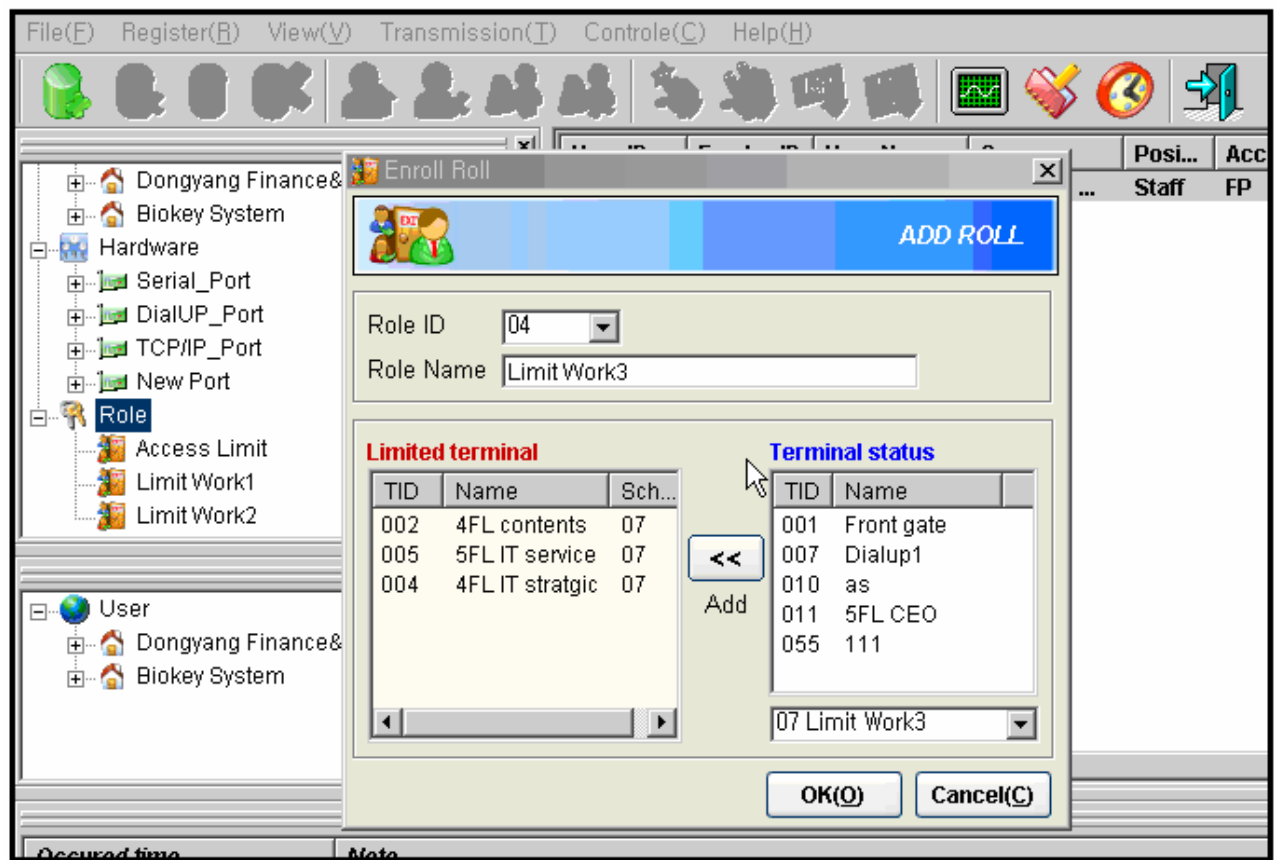
Select Role and click the right button of mouse as the below picture or go to menu bar of stage (Register=> Role=>New).

First, give Role Name and select on enrolled Schedules of above "OK" button.

Second, Select terminals to be applied.

Third, push "OK" button for saving.

Apply for each user, please select "Enroll role" on process of "Enroll User"



Check TID and click "OK" button set personal limit.

5.4 Schedule control layout

Holiday : 4 different holiday setting

Time Zone : 4 different time zone a day

Time Zone enrolled ID : 32 time zones are possible

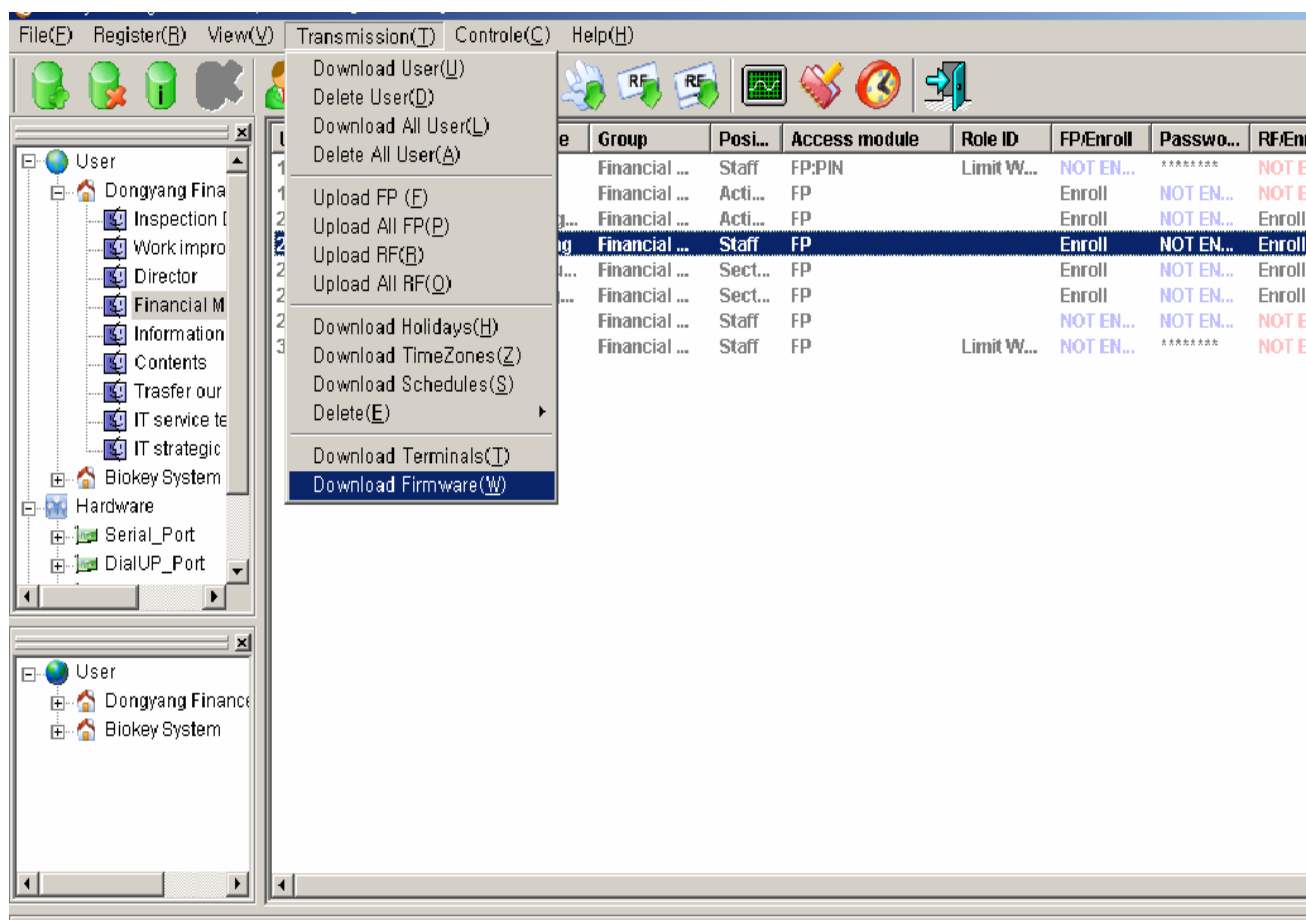
Schedule enrolled ID : 32 schedules are possible

You can management various schedule of access control.

6. Transmit

6.1 Download & Upload

Go to the process of "Transmission" of menu bar. "Download" means " sending data to terminal" and "Upload" means " Get data from terminal".



6.1.1 Download User

This is for transmit selected user data to terminal. First, it should select one user to be transmitted.

Data transmit

DOWNLOAD USER

User ID : 20106036
User Name : Yu suyoung

TID	Name	Result
<input type="checkbox"/> 001	Front gate	
<input checked="" type="checkbox"/> 002	4FL contents	
<input checked="" type="checkbox"/> 004	4FL IT stratgic	
<input checked="" type="checkbox"/> 005	5FL IT service	
<input checked="" type="checkbox"/> 007	Dialup1	
<input type="checkbox"/> 010	as	

☐ Select all Terminal

Download(D) **Close(C)**

6.1.2 Delete User

This is for deletion of selected user data from terminal. First, it should select one user to be deleted.

Delete data

DELETE USER

User ID : 18902045
User Name : Youn

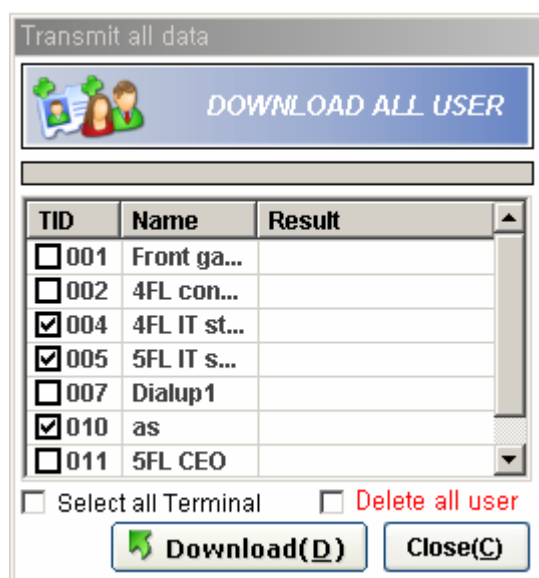
TID	Name	Result
<input type="checkbox"/> 001	Front ga...	
<input type="checkbox"/> 002	4FL con...	
<input checked="" type="checkbox"/> 004	4FL IT st...	
<input type="checkbox"/> 005	5FL IT s...	
<input checked="" type="checkbox"/> 007	Dialup1	
<input checked="" type="checkbox"/> 010	as	
<input type="checkbox"/> 011	5FL CEO	

☐ Select all Terminal

Delete data(D) **Close(C)**

6.1.3 Download All user

This is for transmit all user data of selected group or company to terminal. First, it should select one group or company to be transmitted.



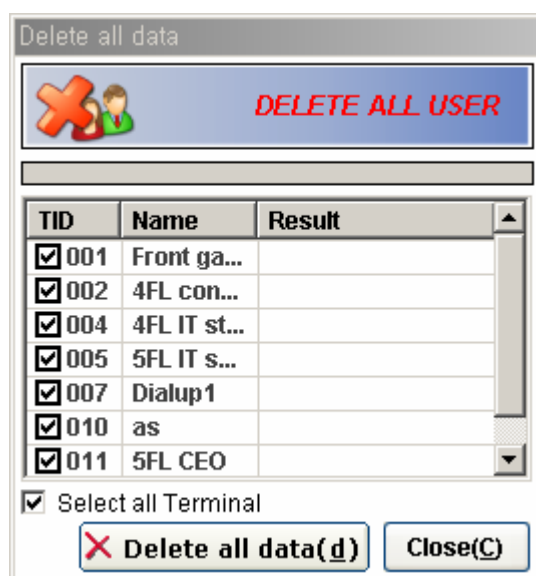
TID	Name	Result
<input type="checkbox"/> 001	Front ga...	
<input type="checkbox"/> 002	4FL con...	
<input checked="" type="checkbox"/> 004	4FL IT st...	
<input checked="" type="checkbox"/> 005	5FL IT s...	
<input type="checkbox"/> 007	Dialup1	
<input checked="" type="checkbox"/> 010	as	
<input type="checkbox"/> 011	5FL CEO	

☐ Select all Terminal ☐ Delete all user

Download(D) **Close(C)**

6.1.4 Delete All user

This is for deletion of all user data from terminal.



TID	Name	Result
<input checked="" type="checkbox"/> 001	Front ga...	
<input checked="" type="checkbox"/> 002	4FL con...	
<input checked="" type="checkbox"/> 004	4FL IT st...	
<input checked="" type="checkbox"/> 005	5FL IT s...	
<input checked="" type="checkbox"/> 007	Dialup1	
<input checked="" type="checkbox"/> 010	as	
<input checked="" type="checkbox"/> 011	5FL CEO	

☒ Select all Terminal

Delete all data(d) **Close(C)**

6.1.5 Upload FP and RF

This is for get Fingerprint & EM TYPEdata stored in Terminal.

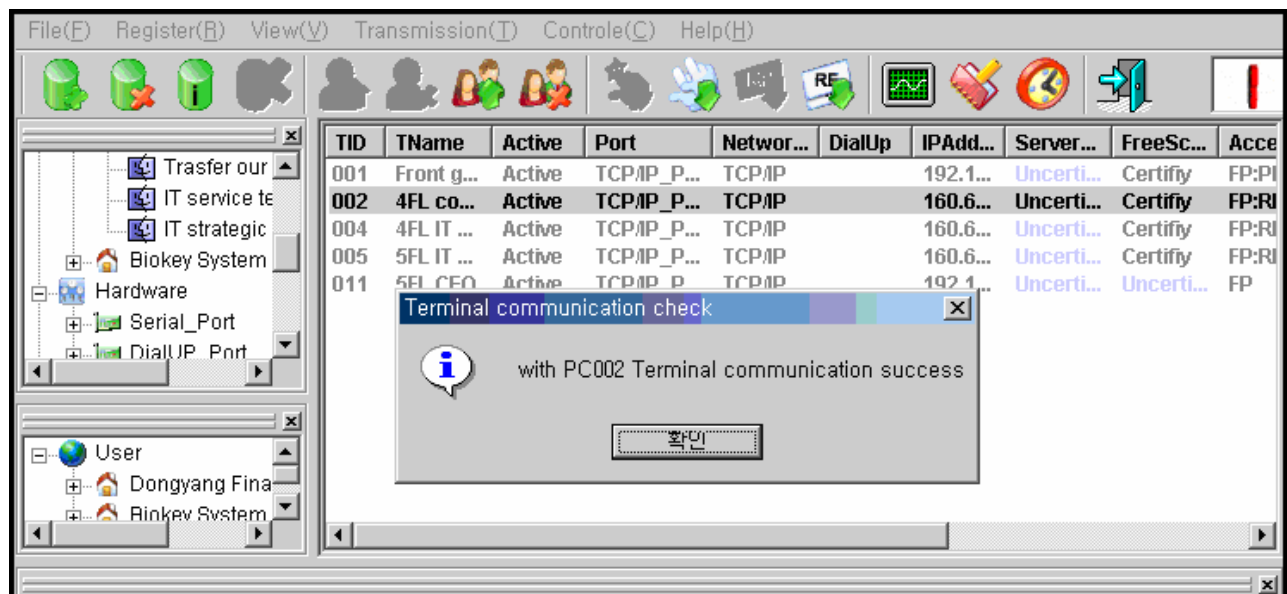
The data modify by User ID.

6.1.6 Download and delete Schedule

Enrolled schedule should transmit to terminal, if not, schedule function not works.

6.1.7 Download terminal

This is for checking terminal status.



6.1.8 Firmware update

- Supported binary file named “ * * * .bin” by Console System, input to “C:/program/Console” folder and run Console Manager. Select “Control-> Update firmware” of tool bar.
- As to show of patch by Console, click it and wait till small window appears.
- Click the message and close the window.
- Please reset the terminal.

7 Monitoring

- After install Console Manager, run as to click icon ‘Monitoring’.
- It can real-time monitoring of Lock, case open, exit button door sensor and call button.
- The below part is shown the terminal and log record at real-time.
- When administrator wants to be off the alarm sound, select ‘Alarm’ of menu bar.

File(F) Alarm							
Terminal Name	TID	Lock	Case O...	Exit Butt...	Door Se...	Call But...	Checking Time
<input checked="" type="checkbox"/> 4FL contents							
<input checked="" type="checkbox"/> Front gate							
<input checked="" type="checkbox"/> 4FL IT stratgic							
<input checked="" type="checkbox"/> 5FL IT service							
<input checked="" type="checkbox"/> 111							
<input checked="" type="checkbox"/> Dialup1							
<input checked="" type="checkbox"/> as							
<input checked="" type="checkbox"/> 5FL CEO							

Record Time	ID	Description	TID	Type

8 Report

<How to use Report>

Search a person the following conditions

Name : John Smith

Group : Line 1

Date : 6/1/2006 ~ 6/31/2006

Time : AM11:00~ PM02:00

Terminal : Terminal 004

Purpose : John Smith tried to access the terminal 4 for the above time, even though he doesn't be allowed to enter this time by schedule.

After choose Access Denied of Event section, it is listed many event ID.

137 Access Denied : Access Control => Denied by schedule and role function

146 Access Denied : Lost Card => Denied by lost and stolen card on user information.

8.1 User log data view

User log data view is set as default window.

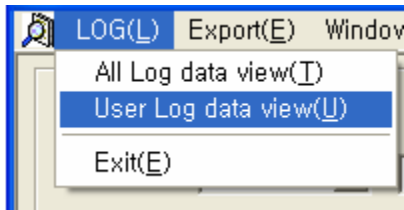
This is for user event log record by set period as to push “Query” button.

1. Date : Select the period of date and choose the priority query condition on the scroll list.
2. Time period and Terminal : it can make more details of searching under result of ①.
3. Access Event : It can be searched by log event type as Access Granted, Access Denied, Access Unregistered. After done it, select details by granted method.

4. Search : Check the box required conditions of Name, Group and, Employee ID and then input character or number.
5. Data output by Text, Print, Excel : save by text or excel file and print out.

8.2 All log data view

If you need the details of records, not only user data, please select “menu=> Log=> All Log data view”



1. Date : Select the period of date and choose the priority query condition on the scroll list.
2. Terminal : Select terminal ID and then click the “Query” button.
3. Event : Door Event – Please choose one main event and you can see the change of scroll menu by your selection. Select sub query condition of scroll bar.
4. Search : input a words or number for searching on the listed data.
5. Data output by Text, Print, Excel : save by text or excel file and print out.

Microsoft Excel - Book1

파일(F) 편집(E) 보기(V) 삽입(I) 서식(O) 도구(T) 데이터(D) 형(W) 도움말(H) 질문을 입력하십시오.

11 100%

G32

	A	B	C	D	E	F
1				All Log data View		
2						
3						
4						
5	UserID/classify	TID/classify	Terminal Time	Event	SerialNo	Server Time
6		03.001	2004-06-03 PM 3:00:15	Normal Unlocked: Request To Exit	314	2004-06-03 PM 2:59:30
7		03.001	2004-06-03 PM 4:01:17	Normal Unlocked: Request To Exit	320	2004-06-03 PM 4:00:31
8		03.001	2004-06-04 PM 5:23:56	Normal Unlocked: Request To Exit	377	2004-06-04 PM 5:23:09
9		03.001	2004-06-01 AM 11:41:59	Normal Unlocked: Request To Exit	231	2004-06-01 PM 1:02:57
10		03.001	2004-06-01 PM 2:54:43	Normal Unlocked: Request To Exit	234	2004-06-01 PM 2:54:01
11	d10	03.001	2004-06-02 PM 12:38:37	Normal Unlocked: Access Granted	268	2004-06-02 PM 12:37:53
12	d10	03.001	2004-06-03 PM 8:28:57	Normal Unlocked: Access Granted	348	2004-06-03 PM 8:28:10
13	d10	03.001	2004-06-05 PM 4:46:58	Normal Unlocked: Access Granted	444	2004-06-09 PM 4:20:16
14	d10	03.001	2004-06-05 PM 4:53:46	Normal Unlocked: Access Granted	447	2004-06-09 PM 4:20:16
15	d10	03.001	2004-06-02 AM 11:33:54	Normal Unlocked: Access Granted	262	2004-06-02 AM 11:33:10
16	d10	03.001	2004-06-03 PM 5:43:49	Normal Unlocked: Access Granted	334	2004-06-03 PM 5:43:03
17	d10	03.001	2004-06-05 AM 11:39:08	Normal Unlocked: Access Granted	407	2004-06-09 PM 4:20:15
18	d11	03.001	2004-06-05 PM 6:25:33	Normal Unlocked: Access Granted	471	2004-06-09 PM 4:20:16
19	d11	03.001	2004-06-05 PM 6:25:13	Normal Unlocked: Access Granted	465	2004-06-09 PM 4:20:16
20	d11	03.001	2004-06-05 PM 6:25:01	Normal Unlocked: Access Granted	462	2004-06-09 PM 4:20:16
21	d11	03.001	2004-06-05 PM 6:26:09	Normal Unlocked: Access Granted	481	2004-06-09 PM 4:20:16
22	d11	03.001	2004-06-05 PM 6:24:42	Normal Unlocked: Access Granted	459	2004-06-09 PM 4:20:16
23	d17	03.001	2004-06-03 PM 9:02:34	Normal Unlocked: Access Granted	351	2004-06-04 AM 9:41:25
24	d17	03.001	2004-06-05 PM 1:20:30	Normal Unlocked: Access Granted	438	2004-06-09 PM 4:20:16
25	d17	03.001	2004-06-05 PM 6:28:48	Normal Unlocked: Access Granted	485	2004-06-09 PM 4:20:17
26	d17	03.001	2004-06-05 PM 6:25:46	Normal Unlocked: Access Granted	477	2004-06-09 PM 4:20:16
27	d17	03.001	2004-06-05 PM 6:25:39	Normal Unlocked: Access Granted	474	2004-06-09 PM 4:20:16
28	d17	03.001	2004-06-05 PM 5:14:43	Normal Unlocked: Access Granted	450	2004-06-09 PM 4:20:16
29	d17	03.001	2004-06-04 PM 9:51:52	Normal Unlocked: Access Granted	389	2004-06-09 PM 4:20:15
30	d17	03.001	2004-06-03 PM 6:55:28	Normal Unlocked: Access Granted	340	2004-06-03 PM 6:54:42
31	d17	03.001	2004-06-05 PM 6:25:19	Normal Unlocked: Access Granted	468	2004-06-09 PM 4:20:16

Sheet1 / Sheet2 / Sheet3 /

준비 NUM