

# Software Inkey\_MINI User Manual

**ENGLISH**

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Company: FERMAX

**FERMAX**

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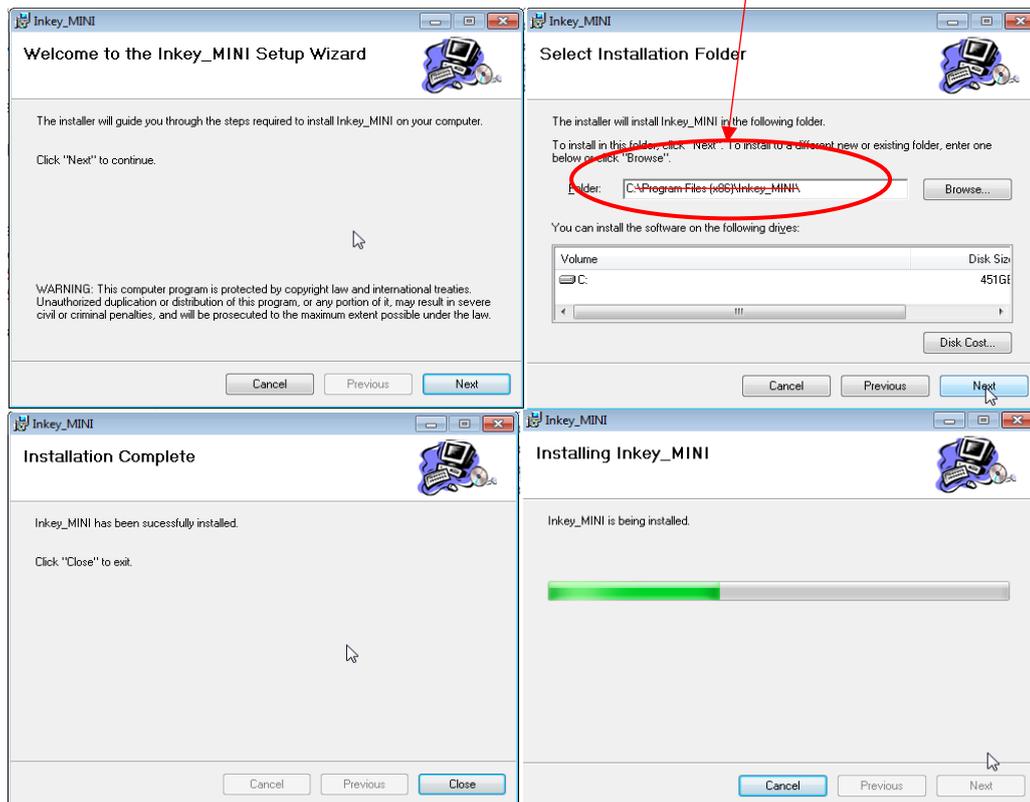
## 1. Installation Environment

- ◆ Operating System: Window XP / Windows-7/Windows-10 (32bit or 64bit).
- ◆ VGA: More than (1024x768) resolution.
- ◆ HDD: We recommend more than 5G free disk space pc has.
- ◆ RAM: More than 1G.
- ◆ Microsoft office: For the report, we recommend Excel software installed in pc 97-.2003.

## 2. How to install.

- ◆ Setup File: "Inkey\_MINI\_Setup\_Vxxx.exe". ("xxx": Version Number)
- ◆ Installation folder: Inkey\_MINI will be installed "C:\Inkey\_MINI" Folder automatically.

**Note: You must change the location of the installation to C:\Inkey\_MINI**

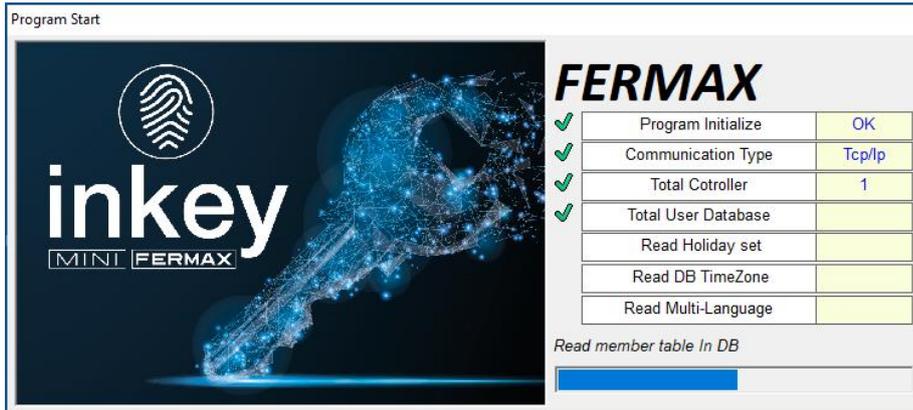


### 3. Program Start

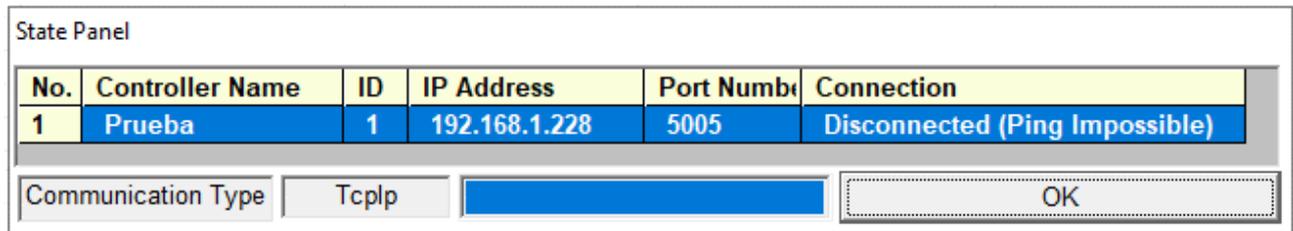
◆ After Installation, you can see Inkey\_MINI Icon as below in screen. Double click, Inkey\_MINI will run.



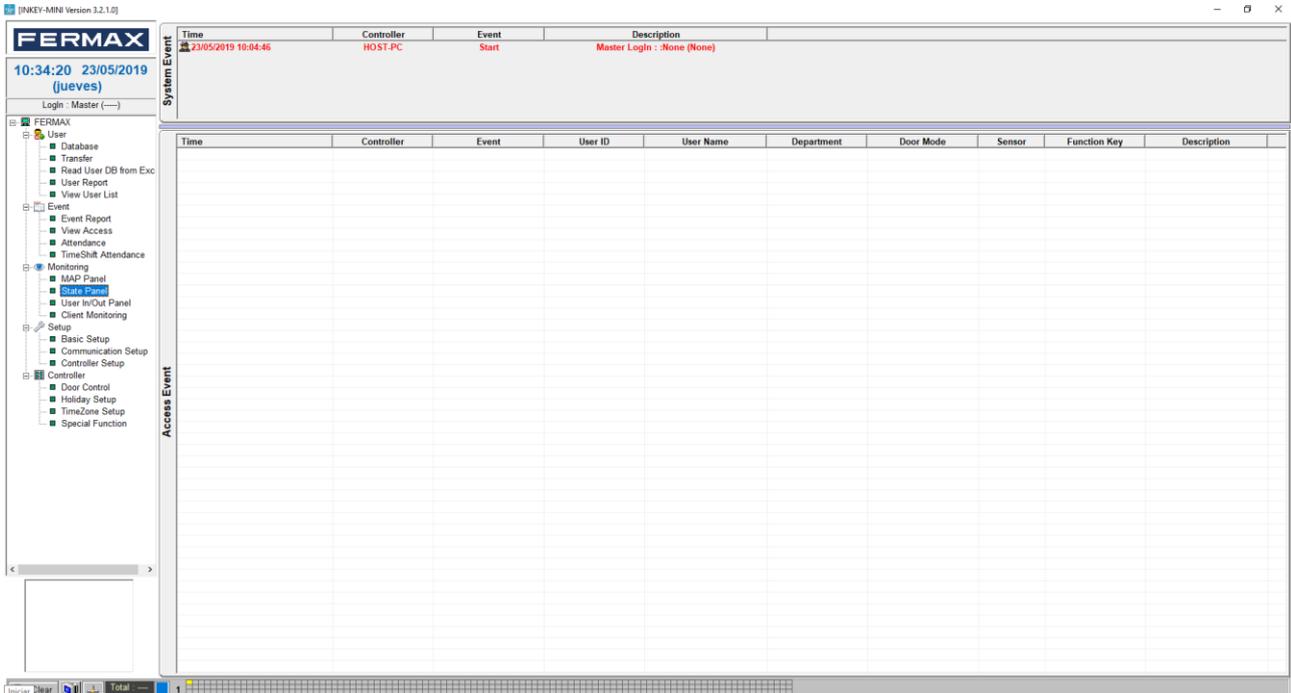
◆ First, initialize program and reads user information etc. from Database.



◆ Than, State Panel will be displayed for check the communication status.



## 4. Main Screen



### ◆ Left

You can see time and date and menu list. For the menu, you can do double-click.

### ◆ Right

Access Event: Access event (granted and denied event) will be displayed.

System Event: You can see system event (example: Alarm/ Log in etc)

### ◆ Bottom

Clear button: You can clear all events which are displayed now.

Total xx: The total controller number

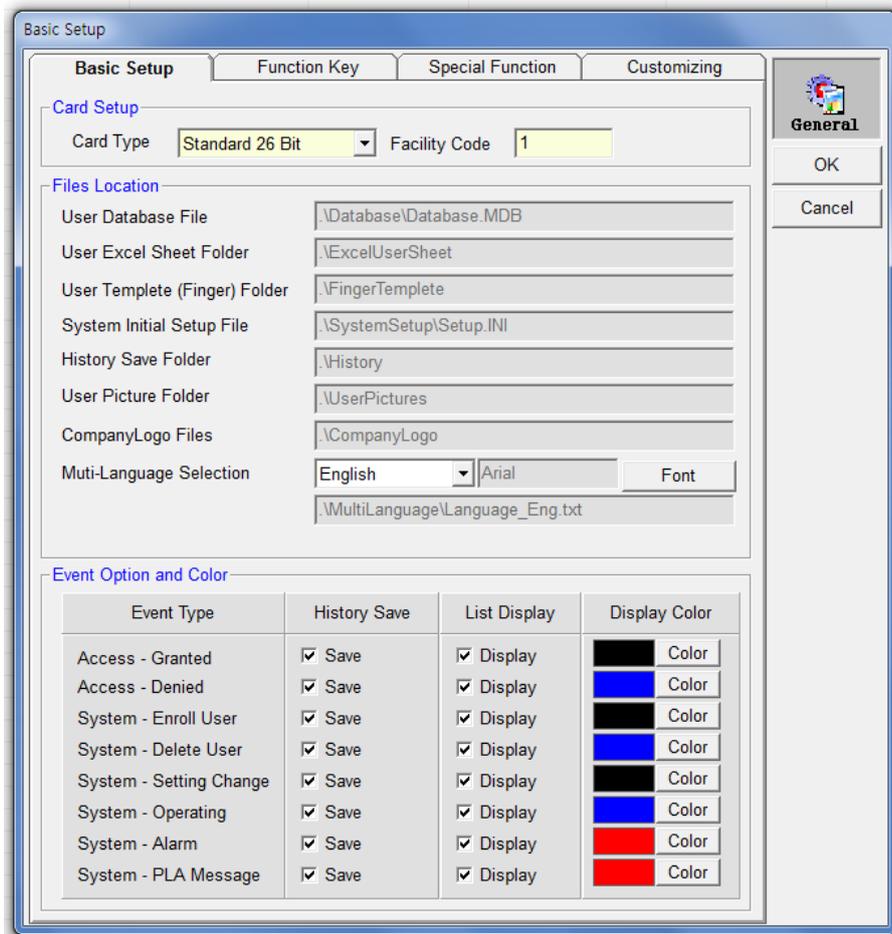
Rectangle: The communication status of controller

RED means Error and BLACK means Good Communication.

## 5. Setup

### 5.1 Basic Setup

Basic setup is divided into 4 categories: basic/function key/Special Customizing



◆ **Card Type**

Select card type (Standard26/Keico37/Binary) and if needed, input default Facility Code.

◆ **File Position**

File (setup, database, history file etc) will be saved in c:\Inkey\_MINI Folder

◆ **Multi language**

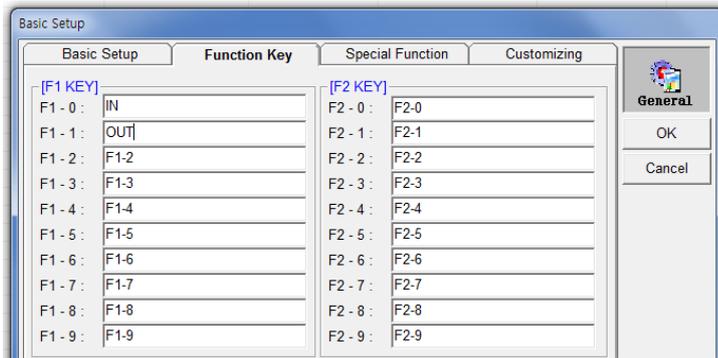
You can select the language type (English/Korean/User own language(Spanish)). If you select "User", Please see the Multi-language text file and you can do modify string table as you want with your language. In this case, all the string in program will be display with your own language.

◆ **Event Option and Color**

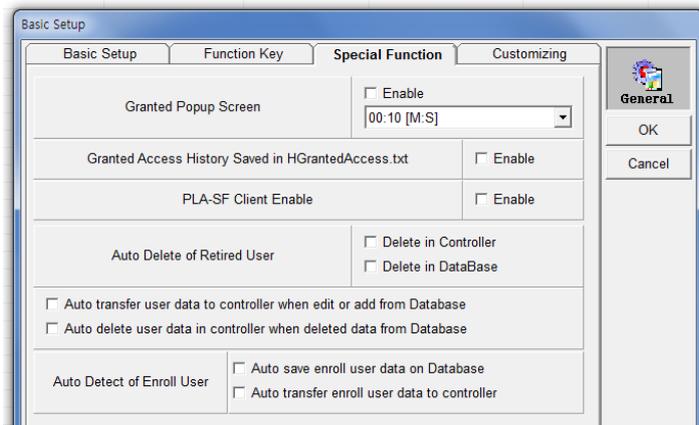
You can configure whether to save and display these events. And the color in the event list box.

If you don't check "Save", this event does not saved in history table.

If you don't check "Display" this event does not displayed in the event list in main screen.



◆ Function Key Name (not available in Inkey-MINI reader ref 5233)



◆ Granted PopUp Screen

If this checkbox “on”, when granted access, the popup dialog will be display during the second you want.

◆ Granted Access history Saved in HGrantedAccess.txt

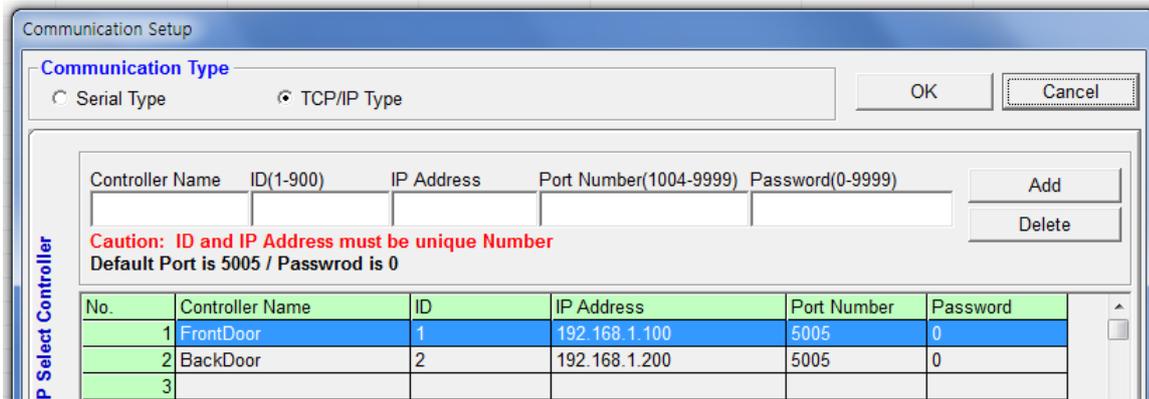
C:\Inkey\_MINI\History

If this checkbox “on”, when granted access, the event information will be saved in HGrantedAccess.txt file. This is for integration with another program. Your program scan this file and this file present, you can get real-time access information immediately and delete this file.

◆ Client Enable

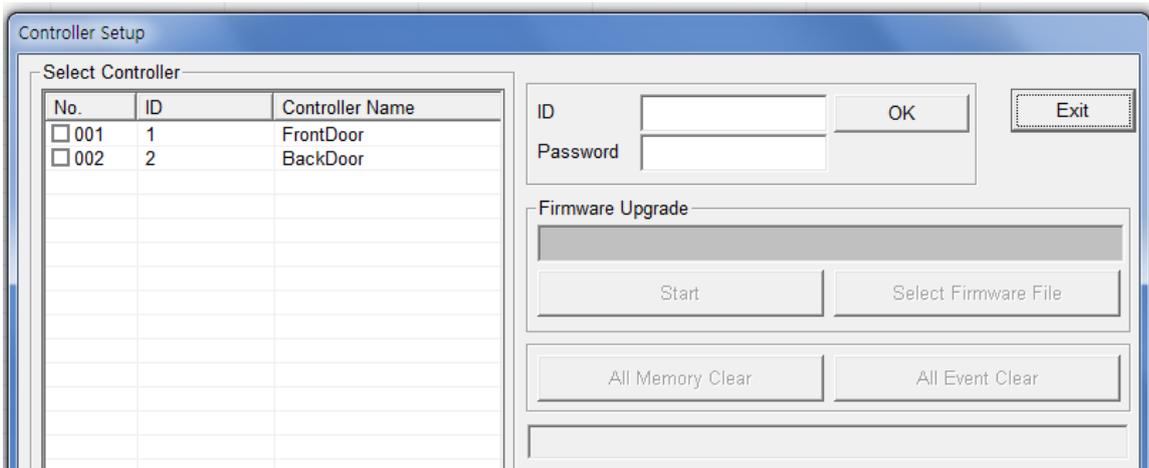
For the client program. You can install Inkey\_MINI client program to another remote pc, and can do monitoring real-time event monitoring and make report.

## 5.2 Communication Setup



- ◆ Communication type  
You can select the communication type, serial (Rs485) or Ethernet (TCPIP). Select Ethernet (TCPIP)
- ◆ Controller  
You can add (or delete) the controller you want to communication with.  
You can specify each controller name.  
Up to 150 controllers can be joined.

## 5.3 Controller Setup



- ◆ ID/Password: ID is “system” and Password “fermax”.
- ◆ Select controller: You can select only one controller
- ◆ All Memory Clear: When you press this button, all the memory of controller will be deleted (Factory Initial status)
- ◆ All Event Clear: When you press this button, all the events (access/system) will be deleted.
- ◆ Firmware Upgrade: If you get special firmware from our company, you can upgrade your firmware of controller.

## 6. User

### 6.1 Database

”

◆ Add / Edit/ Delete / OK/ Cancel / Scroll each Button

You can add or edit or delete user. This user data will be saved in Database.MDB.

Our users are sorted by user id number automatically.

This database located in C: \ Inkey\_MINI \ Database can be saved as a backup of its users and the folder must also be saved ('FingerTemplate' C: \ Inkey\_MINI \ FingerTemplate)

When you close the program and change the contents of these folders for another database already created.

When you run the program, you will see all the users of another installation and you can transfer the fingerprints you want to the corresponding reader. In Windows 10 you must open the Access database go to Member and right-click export to Excel and save it as 97-2003 in the Load Excel Excel folder.

◆ User Name

You can input user name (multi-language). It's possible that you input first name only

◆ User Information

User ID is unique number from 1 to 99999999

Each user must have each user id.

User Class (Normal/Master): When master is selected, this user will have master right in controller, so, he can go to menu of controller,

And he is master also in Inkey\_MINI program (the ID and Password)

**◆ Card Information**

Select card type, and card id/ facility code etc.

Card id is unique number, so each user must have each card id. Depending on the type of controller that receives this information, it may be necessary to change the card ID code by having a format that reads the heaviest bits to avoid repetition of users. A 10-digit number must be entered and cannot start with 0.

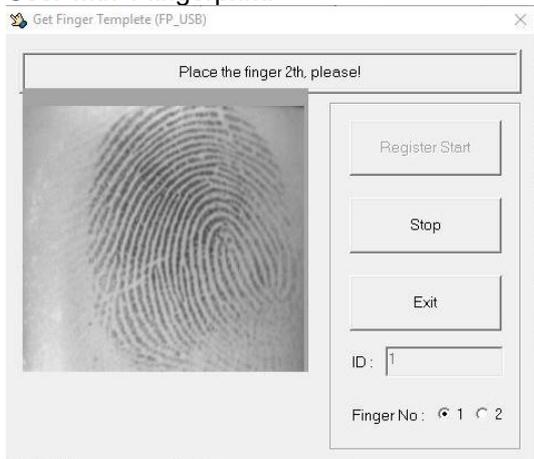
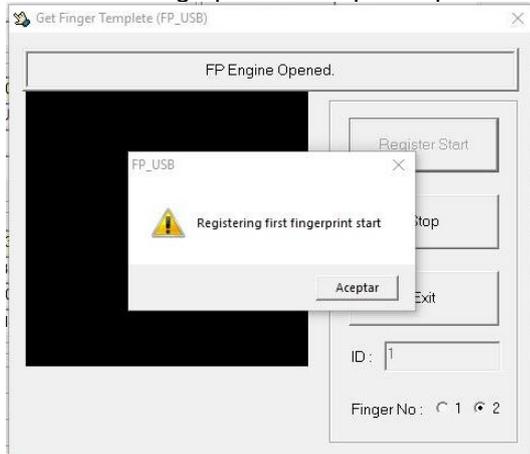
**◆ Access Time Option**

One user can has 2 Time-zone.

When Access Mode is "Any one (Id or card)", this user can make granted without finger regardless the door access mode.

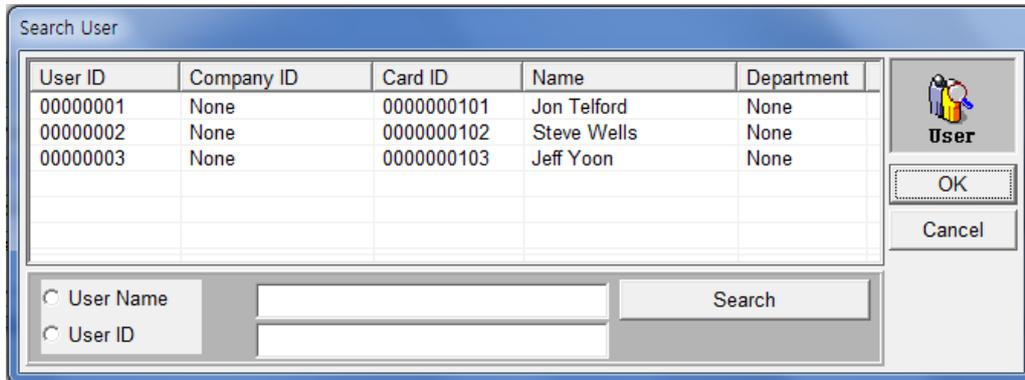
**◆ Get Finger Template (ref. 5234)**

When ref. 5234 (finger scanner) is connected in this pc, you can enroll this user's finger template directly.

**User with 1 fingerprint:****User with 2 fingerprints: Accept and present 1st the first fingerprint and then the 2nd.**

◆ Official / Private

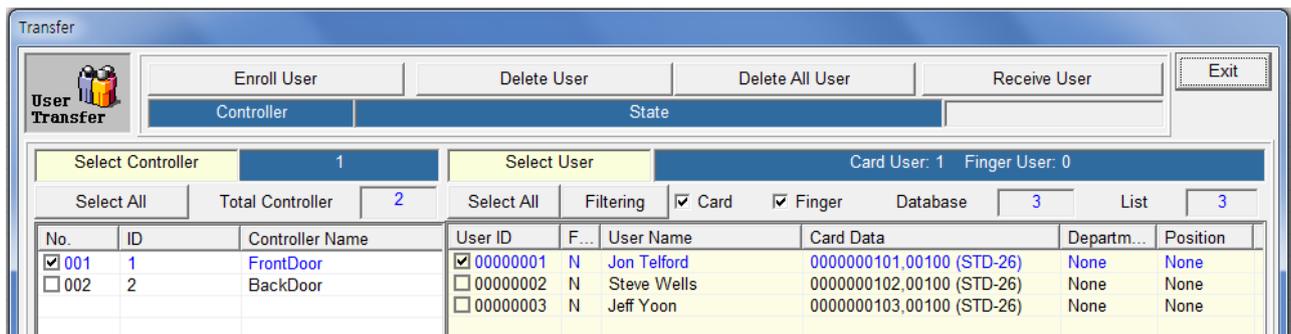
You can enroll each user's information as you want.



◆ Search User

You can Search specific user with user name or user id.

## 6.2 Transfer



◆ Enroll user: You can send each user data and information to each controller.

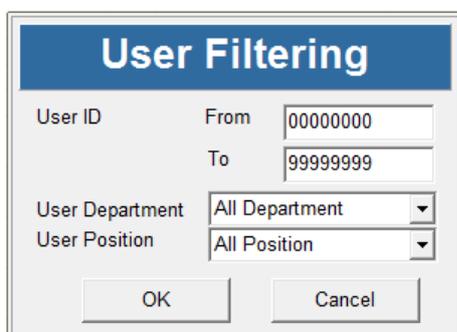
◆ Delete user: You can delete specified user in controller.

◆ Delete all user: You can delete all users in controller.

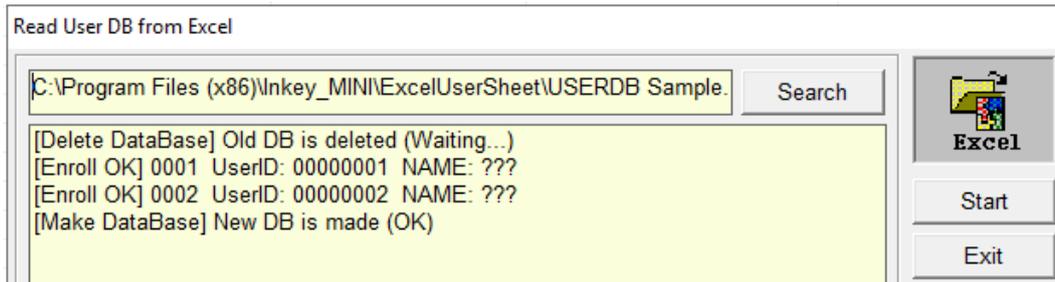
◆ Receive user: Receive fingerprint and card (you can select the check box) data through the controller and store it on database.

◆ Select all: you can select all controllers (users) with pressing this button.

◆ Filtering: For sending and receiving for the multiple users, you can specify the range of the user id and department or position.



### 6.3 Read User DB from Excel

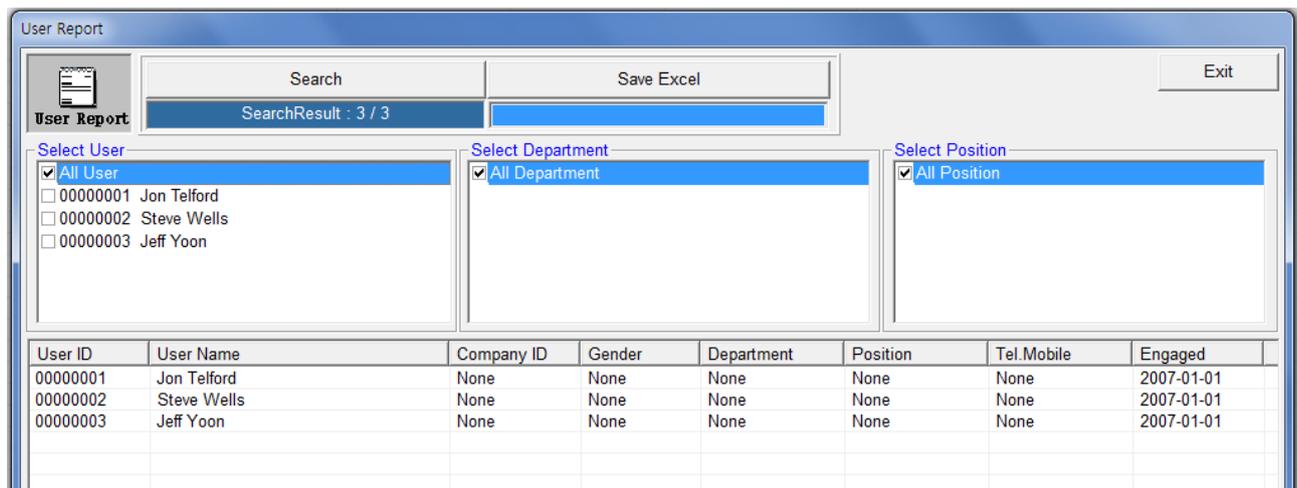


- ◆ Database from Excel: If a large number of users who have to be registered, Inkey\_MINI support batch registering user with excel sheet.
- ◆ Inkey\_MINI has default excel sample ("C:\Inkey\_MINI\ExcelUserSheet\PLA\_USERDB.xls") You can open this excel and add many user's information.

PLA-SF USER DATABASE														
Essential				Card		User Information							TimeZone	
User ID	First Name	Middle	Last	Type	Site	ID	Company-ID	Dept.	Position	Level	L-ID	L-Pass	Zone1	Zone2
1	Jon		Telford		100	101								
2	Steve		Wells		100	102								
3	Jeff		Yoon		100	103								

- ◆ Search: you can select excel file
- ◆ Start: when you press start, all the database will be deleted first, and add user according to excel user sheet.

### 6.4 User Report



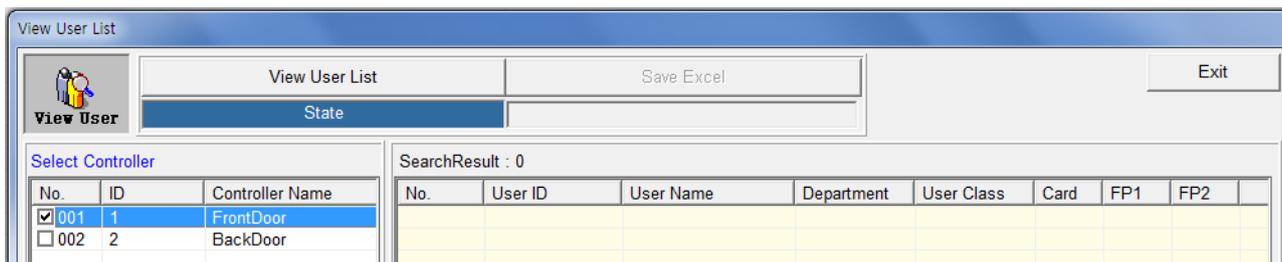
This is report of users who is registered in Inkey\_MINI database.

- ◆ Select user/ Select Department/ Select position You can specify users who you want to reported.
- ◆ Save excel\*

You can make excel file of the list.

**Note \*: this file will be saved in .csv after Excel will have to open a new sheet and from data get from text / csv and load the columns. Then save in Excel 97-2003.**

## 6.5 View User List



You can get user list from a controller. These users are enrolled in controller actually.

- ◆ View user list

First you select one controller and press this button. You can get users who are enrolled in controller.

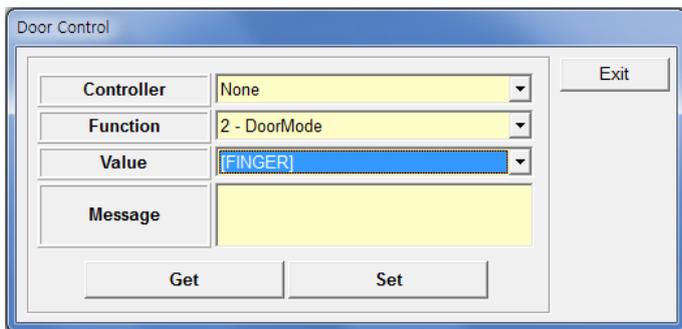
- ◆ Save excel\*

You can make excel file of the list.

**Note \*: this file will be saved in .csv after Excel will have to open the file in a new sheet and load the columns. Then save in Excel 97-2003.**

## 7. Controller

### 7.1 Door Control



Many of each controller's operation parameter can be set and modified.

- ◆ Door control

Maximum of 27 operation modes can be configured.

First you select the controller, and select the function you want, before press "Get", you have to input the value

- ◆ Description of each operation mode (Function)

Door Relay: Door relay status (Open/Close)

Door Mode: Access mode

Door Time: Lock open time (when granted, the during of door relay open)

Door Alarm: Door open bell

CD type: Wiegand output type

Re-access: Certification security

Cd2Fun: external reader function key

AlmRelayFun: external alarm functionkey (Relay)

AlmBuzzFun: external alarm function key (Buzzer)

AntiPass: AntiPass

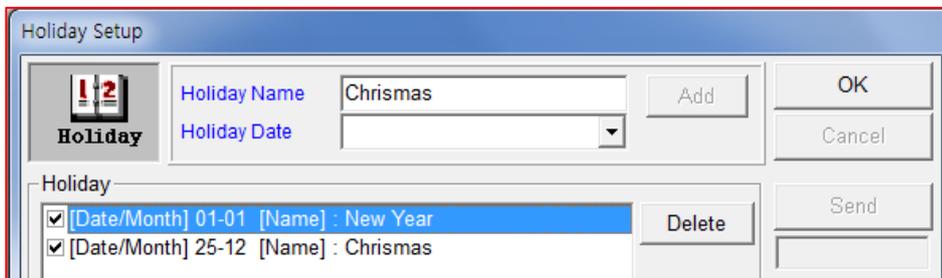
Fire: fire surveillance/intrusion surveillance

IdSecret: ID security

Limit: entry restriction for specific time

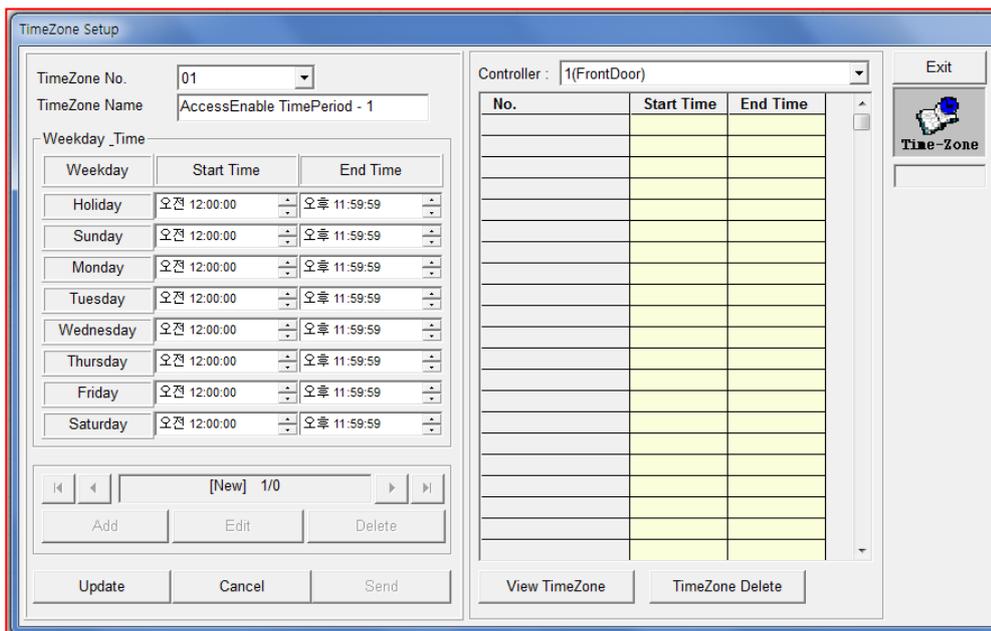
Language: language  
 VoiceOut: select whether voice function to be used.  
 MachineID: controller address  
 Baudrate: Communication speed.  
 DeviceTime: Controller time  
 UserCount: Number of currently registered user Ids(including TEMP ID)  
 ManagerCount : Number of currently registered manager IDs  
 FpCount: No.of currently registered fingerprints  
 CardCount: No.of currently registered cards  
 SLogTotal: No.of currently recorded management logs  
 SLogRead: Current management record read position  
 GLogTotal: No.of currently recorded entrance records  
 GLogRead: Current entrance record read position  
 CurDoorMode: Current door mode

## 7.2 Holiday Setup



◆ Holiday input is used for the time-attendance and time-zone. After entering all holidays by repeatedly clicking “Add”, click the “Send” button to send this information to the controller for the time-zone access.

## 7.3 Time Zone Setup



Time-zone is used for the each user’s access permitted time depend on weekday 24 hours.

- ◆ You can make time-zone number with name up to 254 type.
- ◆ The entrance time zone is entered by dividing 24 hours of a day according to the ‘start time’ and ‘end time’ for each weekday and is used to allow or restrict the user’s entry during a specific time

- ◆ Set number and name of entry time and each day's start/end , select a controller then click 'Update' to send.
- ◆ You can view and delete the time-zone setting from each controller with "View Time-Zone" and "Time-Zone" Delete Button.

## 7.4 Special Function

- ◆ Day light: Day light is summer time and controller time has to be changed automatically as you set. After setting you can select controller and press "Send".

Special Function

Special Function

DayLight	Door Mode	Bell Time	Auto Door	Auto F-Key	NoAct F-Key
Start of time		martes , 17 de octubre de	15:10:00		
Changed Time		martes , 17 de octubre de	15:15:00		
End of time		martes , 17 de octubre de	3 :20:00		
Changed Time		martes , 17 de octubre de	3 :25:00		

Save

Select Controller

No.	ID	Controller Name
<input type="checkbox"/> 001	1	1F Door

Select All 0 / 1

Send

DayLight

Functions

Exit

- ◆ Door Mode: This function is for the change controller's door mode automatically according to time.

Special Function

DayLight	Door Mode	Bell Time	Auto Door	Auto F-Key	NoAct F-Key
Day Type	Start Time	End Time	Door Mode		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		
All Day	23 59	23 59	[Any]		

Save



## 8. Report

### 8.1 Event Report

◆ Event report: Searches events of controller that occurred during communication and saved to history. Searching is possible by each event user/controller/department/function key. Event list can be saved as a excel file.

### 8.2 View Access

◆ View Access: Unlike the 'Event Output' function which loads data from the DB, this function loads the events of users granted access by the controller. Granted access list can be saved as a excel file.  
 ◆ Check and Insert: Compare all granted event to history database. And if this event is not saved in history, this event will be saved history automatically.

## 9. Monitoring

### 9.1 MAP Panel

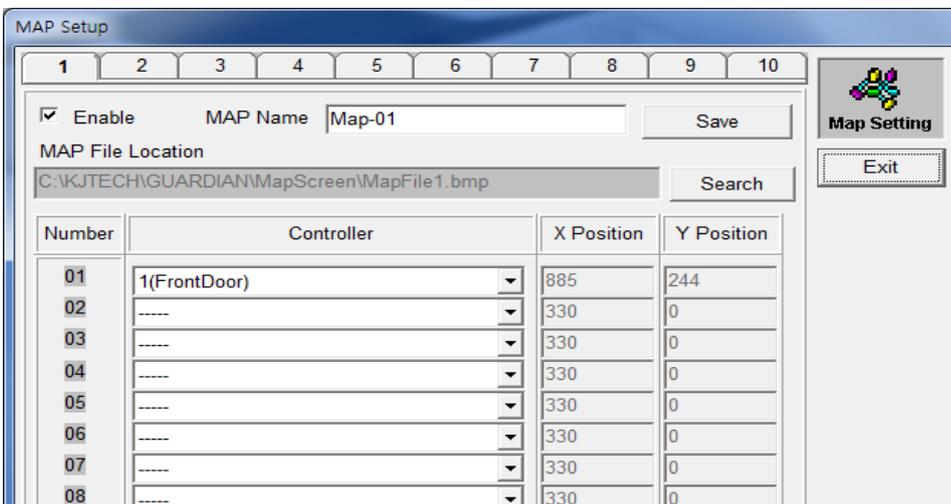


◆ Map Panel - Main Screen

The entry/ Exit status of users can be checked through the overall organization map. The map file (image file) has to be saved in the “Map-Screen” folder within the program folder.



Right click the entrance door set and search operation mode, events etc as below



◆ Map Setup

The maximum of map is 10

You can enable or disable each map and set each map's name.

You can select each map's image file with the "Search" Button.

Each map can have up to 20 controller's door.

You can adjust each door's x, y location by the drag & drop each door in main screen.

## 9.2 State Panel

◆ State Panel

You can check the communication status of each controller.

Door Mode: This means the user's access mode

Sensor: "open" or "close", the door sensor (contact sensor) status of each controller

No.	Controller Name	ID	IP Address	Port	Serial	Password	Door Mode	Sensor	Connection
1	FrontDoor	1	192.168.1.100	5005	----	0	----	----	Disconnected (Ping Impossible)
2	BackDoor	2	192.168.1.200	5005	----	0	----	----	Disconnected (Ping Impossible)

Communication Type: Tcp/IP

## 9.3 User In/Out Panel

Building	Department	Room	IN/OUT	Date and Time	User ID (User Name, Department)
----	----	----	----	----	00000001 (Jon Telford, None)
----	----	----	----	----	00000002 (Steve Wells, None)
----	----	----	----	----	00000003 (Jeff Yoon, None)

◆ User In/Out panel:

This is for the monitoring who is in building (or Department or Room).

Example) when fired, fireman wants to know, how many people are there and where?

If you click an items (tree view-left side),

Inkey\_MINI will display the person who is in building (department or room)

The scanning will be done during some period automatically.

Building: 2

No.	Total Department	Building Name	Building IN	Building OUT
1	2	BLDG-1	None	F1-0
2	2	BLDG-2	None	F1-0
3				

## ◆ User In/Out Setup

Inkey\_MINI uses 3 layers concept. It's Building-Department-Room

Inkey\_MINI can have up to 10 Buildings, and each building can have up to 10 departments, and

Each department can have up to 10 buildings.

For the In/Out monitoring, you have to use each controller for "in" and "out" separately.

You have to define the "In" or "Out" for each building and each department and each room separately (controller and function key.)

