# FaceSentry6
# AN / Mini

## Standard/Micro controller

# Hello!

# Quick Start Guide

# FCC Note

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Note: 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 this equipment

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# CE Note

Manufacturer: IWT Limited.
Address: 2503 Skyline Tower, 39 Wang Kwong Road, Kowloon Bay, Hong Kong

Hereby, IWT Limited. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU
A copy of the declaration of conformity can be obtained with this user manual;
This product is not restricted in the EU.

The wireless operation frequency
RFID: 13.56MHz; Max H-Field Strength: -4.2dBuA/m at 10m

The device has been evaluated to meet FCC/CE general RF exposure requirement. The device can be used without restriction

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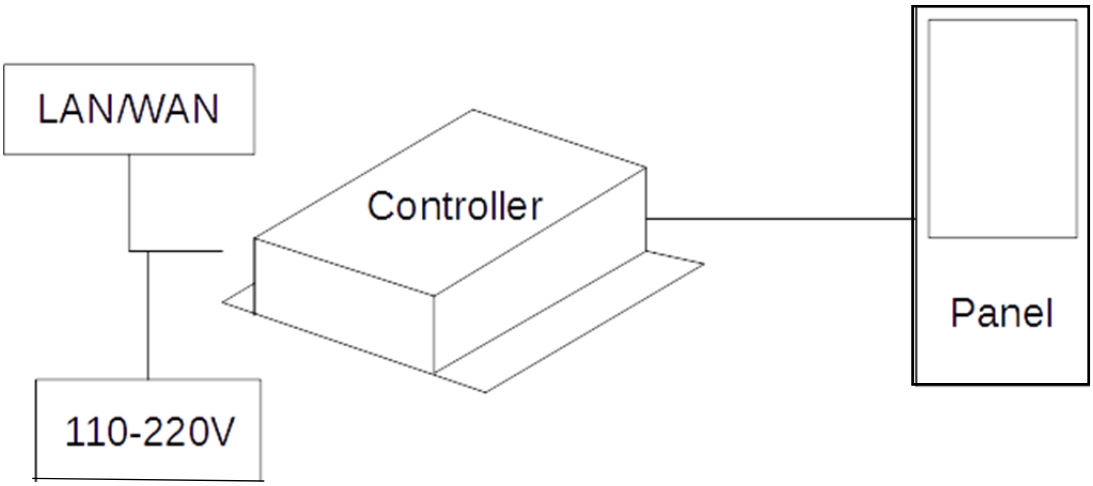
Welcome to FaceSentry6 AN and Mini. Let me introduce:

## Cable connection

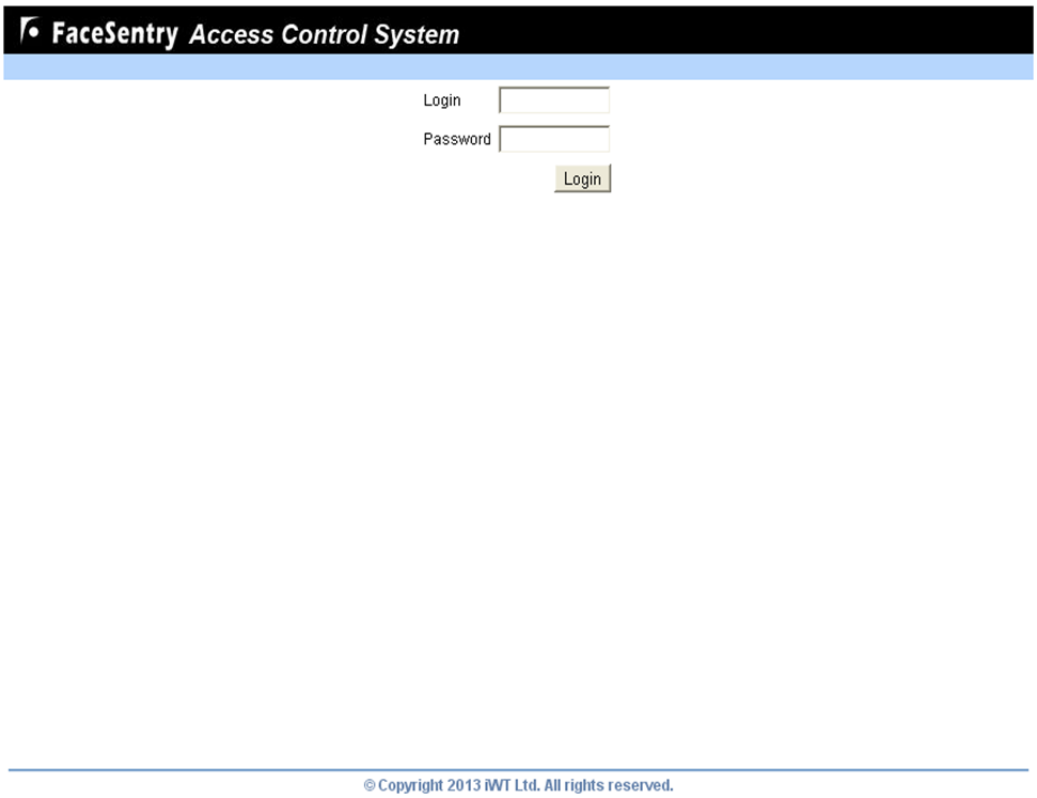
Please set up the device like the following picture, turn the power on then we could start using it.



## 1. Getting Start

Firstly, launch your Internet browser (e.g. Internet Explorer 8.0 or later, Firefox, Safari or Google Chrome), fill in the IP address of FaceSentry6 AN device in the Address (URL) field, and press ENTER key.

You should be able to see the Administration Web Tool, like the screen shot below:




Default factory settings are

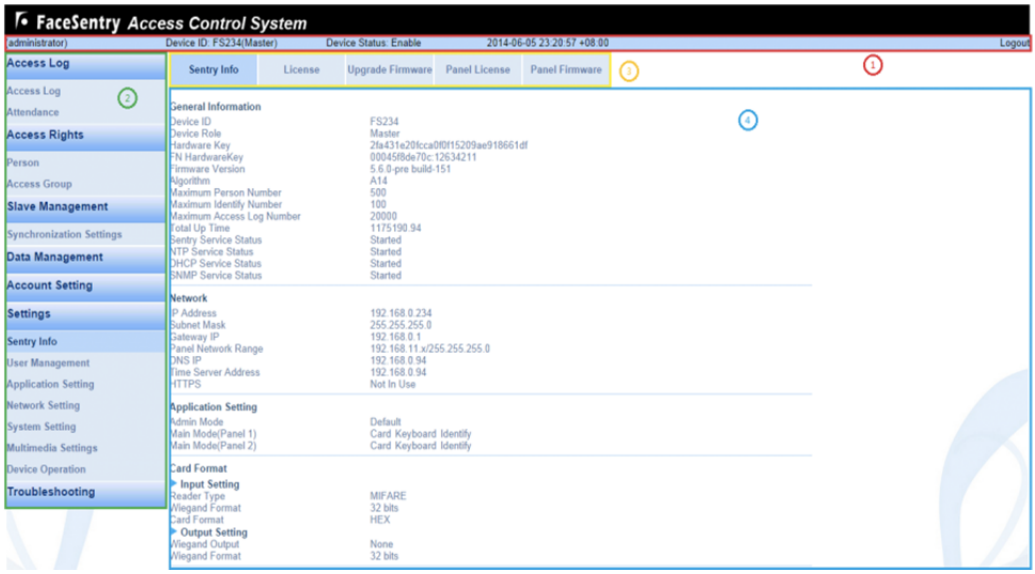
IP address: 172.16.1.252

Username: administrator (case sensitive)

Password: 123456

## 2. FaceSentry Web Administration Tool

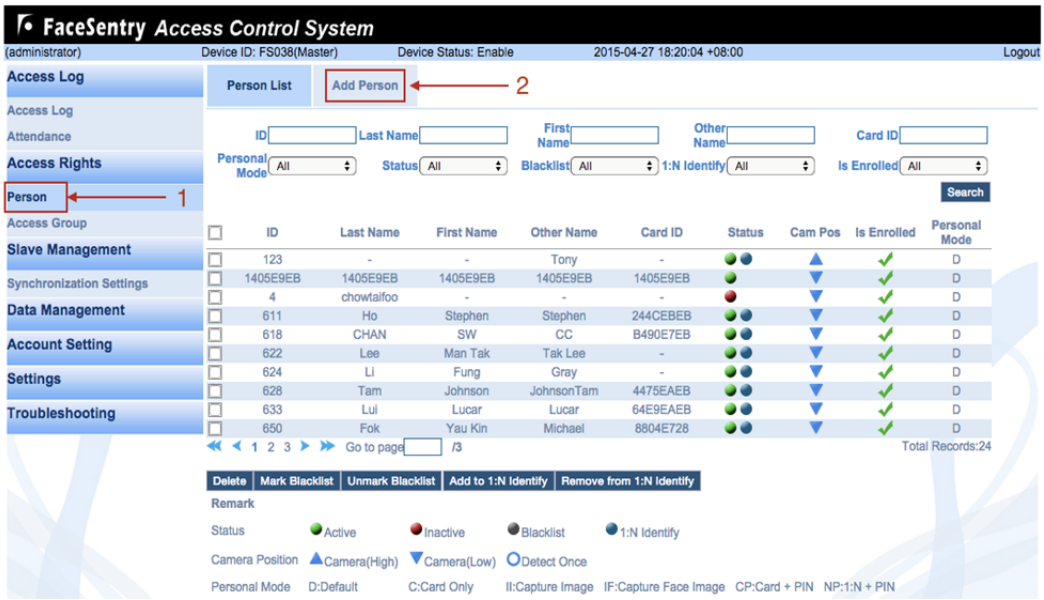
Front page of FaceSentry Web Administration Tool shall be displayed after correct username and password were entered:



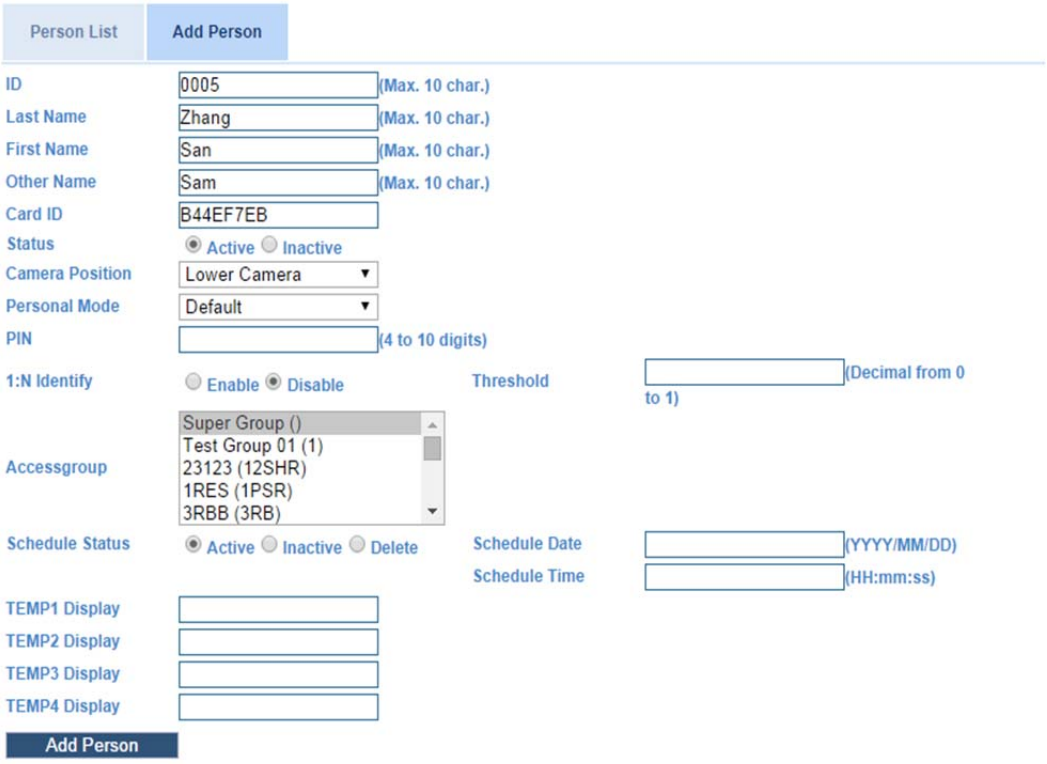

1. Title bar: to display current user login ID, Device ID, Device status, current date and time, followed by Logout button.
2. Main Menu: to launch all types of menu options and settings
3. Option Tab: to display all sorts of functions under the current menu option
4. Content pane: to display the content and settings of the current selected option tab

## 3. Adding Person

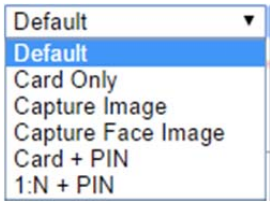
To add a new enrollee, select “Person” menu option,




and then click “Add Person” tab as screen shot shown below:



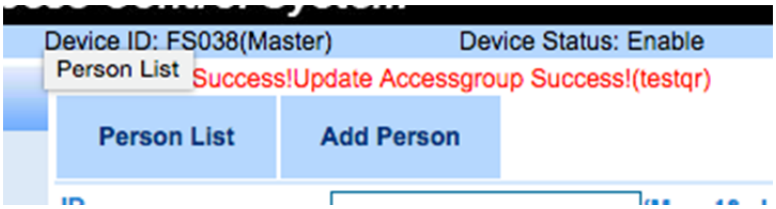
Fill in the fields as prompt below:

| Field | Description |
|---|---|
| ID | Unique identifier (ID) of the enrollee |
| Last name | Last name |
| First name | First name |
| Other Name | Short name to display on the screen after match |
| Smart Card ID | Smart Card ID (in your case, the ID represented by the QR code) |
| Status | Either Active or Inactive.<br><br>Enrollee with Inactive radio button selected will be blocked from being 1:1 verified, even though his/her smart card ID or QR code ID was read.<br><br>Under 1:N identification mode, if inactive enrollee was being identified, a warming message will be shown at the end to notify the user, and no door strike action will be done. |
| Personal Mode | Default mode is 1:1 Verification (QR code scan first, follow by facial verification)<br><br>  |
| 1:N Identify | To toggle on/off of 1:N Identification mode |

| | |
|---|---|
| Personal Threshold | To input threshold setting for the current enrollee: a floating point number range from 0 to 1. If this field was blank, system threshold will be in effect. The priority of this personal threshold will override the system threshold if it is not null. |
| #Access Group | To set access privilege of the current enrollee |
| *Schedule status | To set a schedule (date forward) task by selecting required radio button |
| Schedule date | To set the execution date of the current schedule task |
| Schedule time | To set the execution time of the current schedule task |

# Please be reminded that: at least one access group should be selected for any enrollee. For new/novice operator, please leave “SuperGroup” selected to avoid “No Right” error message because of the enrollee does not belong to any access group, and get rejected by the device.

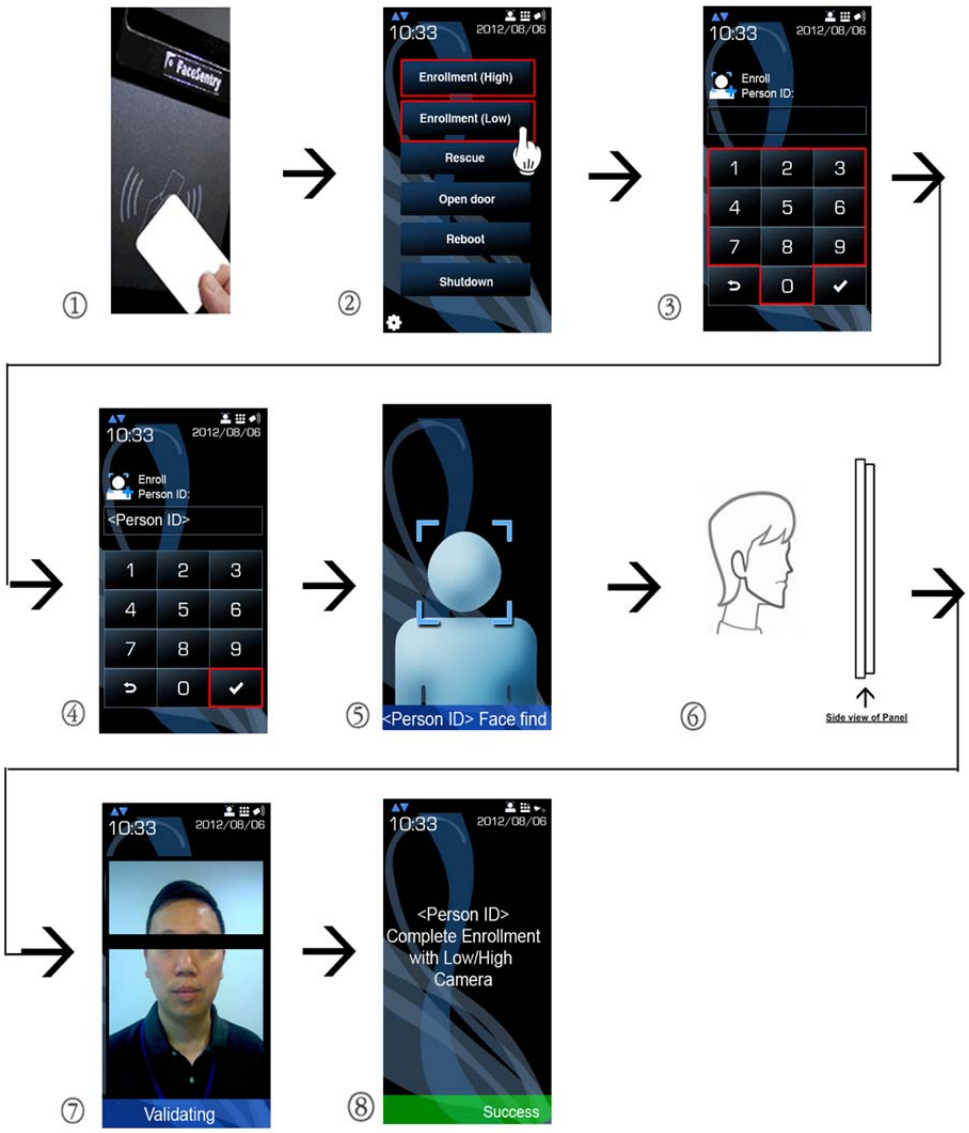
Finally, press “Add Person”, and you can expect this confirmation message:




That’s all to complete an Add Person task.

## 4. Enrolling a Person

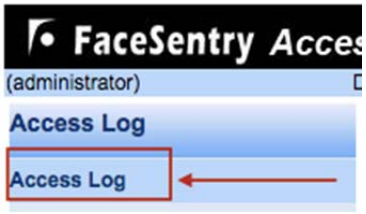
Photo-capture and enrolment is the final step to get a new person enrolled with the device. Please perform these steps on the front panel of the FaceSentry device:



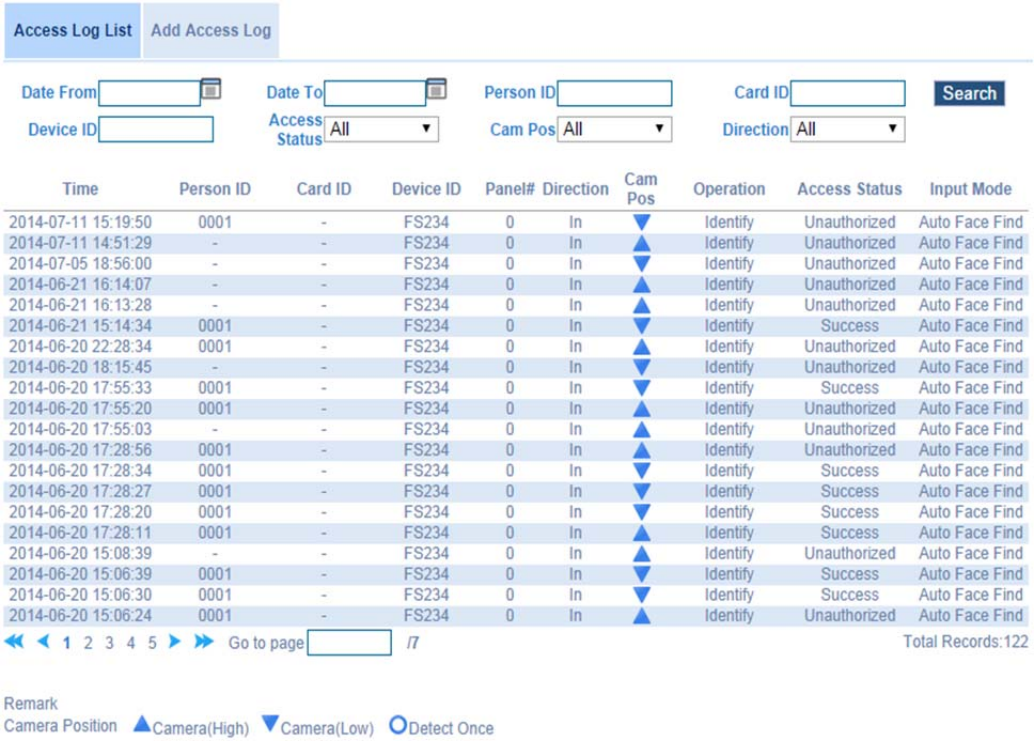
| Step | Description |
|---|---|
| 1 | Scan the “Special Card” smart card or QR code with the reader |
| 2 | Tap “Upper Camera” or “Lower Camera” button on the touch screen. We recommend to user lower camera for enrollee not taller than 1.7m |
| 3 | Scan the smart card or QR code of the current enrollee<br>If no smart card or QR code to be used, tap on the on-screen keypad to input ID instead |
| 4 | Tap the OK ✓ button |
| 5 | Stand still and get ready for the photo capture |
| 6 | Look straight at the screen of the panel |
| 7 | Wait for 2 photo shootings and you should be able see yourself on the screen. First photo will be used to enroll, and the second photo to be used to make a test verification. |
| 8 | Enrolment done successfully |

## 5. View access log

From FaceSentry web administration tool, select “Access Log” option as screen shot illustrated below:



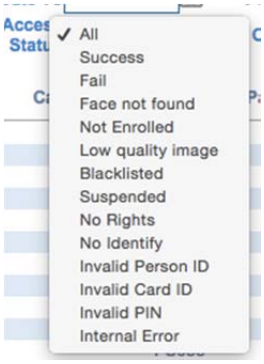

Access log main page will be displayed, like screen shot below:



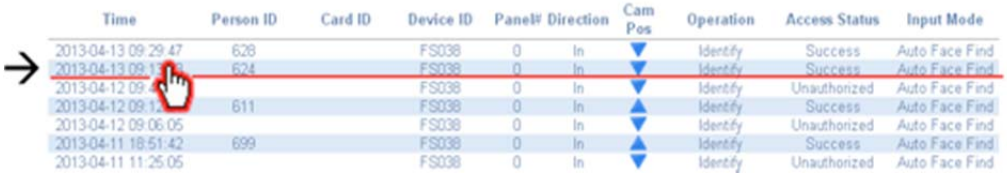

User can navigate by selecting Page Up, Page Down, Top, Bottom, or simply click the page number to jump to required page.

Or, we recommend user to set selection criteria to pinpoint the logs required:

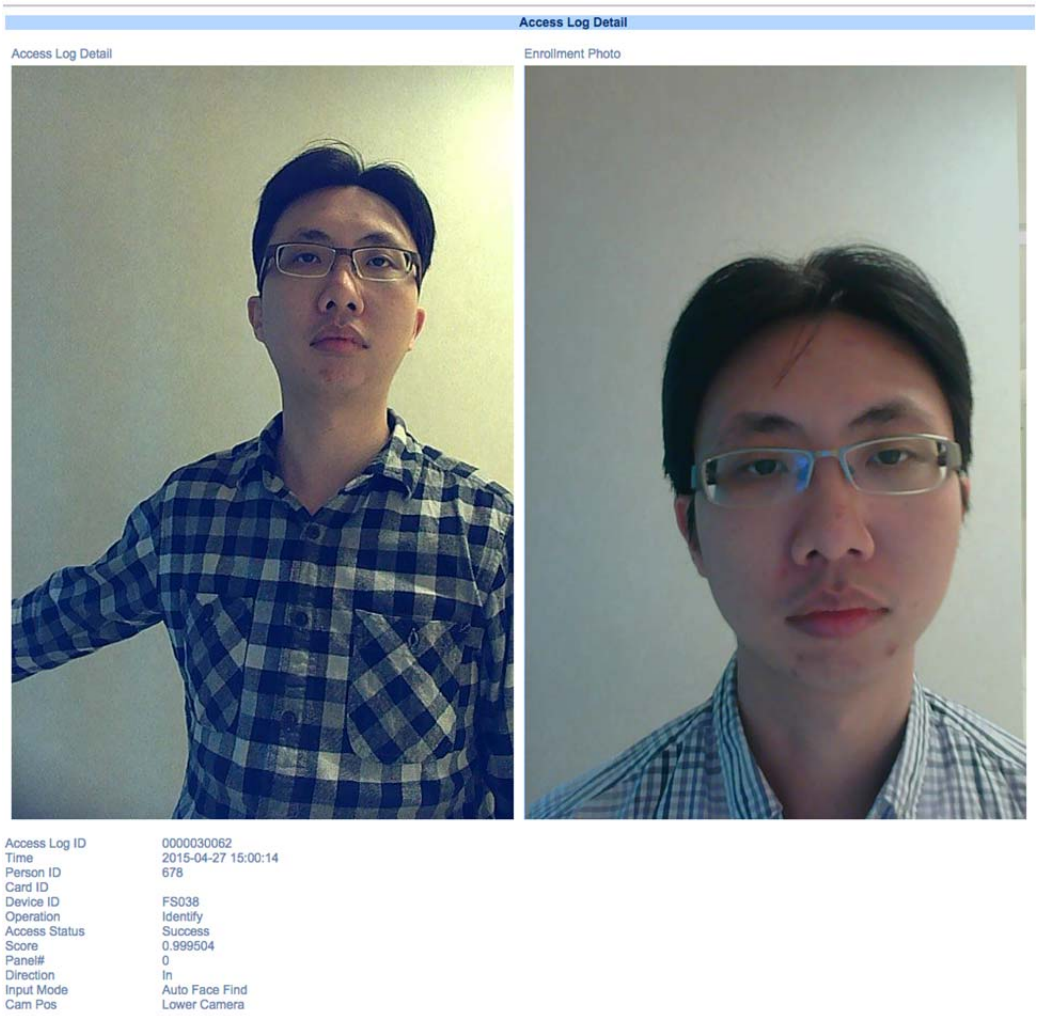
| Parameters | Descriptions |
|---|---|

| | |
|---|---|
| Date From, Date To | To set date range (inclusive) of logs required |
| Person ID | To display all logs of matching person ID |
| Card ID | To display all logs of the matching smart card or QR code ID |
| Device ID | To display all logs of matching device ID |
| Status | To display all logs of matching status<br>  <br> |
| Cam Pos | To display all logs of matching camera position:<br><br>Upper, Lower or show All |
| Direction | To display all logs of matching direction of the access: In, Out or show All |

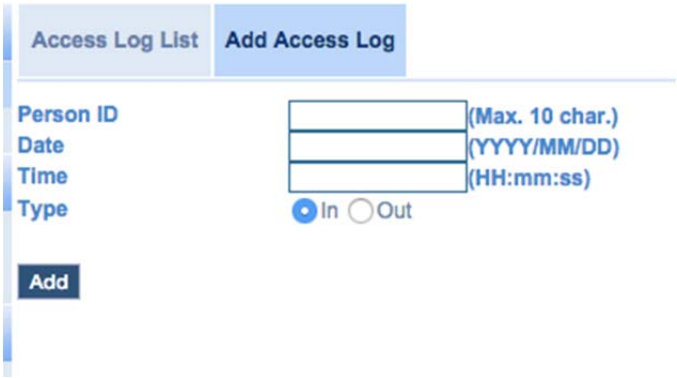
User can click on “Time” position of each access log record to display a pop-up screen that shows the detail of this selected access log record:



| Time | Person ID | Card ID | Device ID | Panel# | Direction | Cam Pos | Operation | Access Status | Input Mode |
|---|---|---|---|---|---|---|---|---|---|
| 2013-04-13 09:29:47 | 628 | | FS038 | 0 | In | ▼ | Identify | Success | Auto Face Find |
| 2013-04-13 09:13:[illegible] | 624 | | FS038 | 0 | In | ▼ | Identify | Success | Auto Face Find |
| 2013-04-12 09:[illegible] | | | FS038 | 0 | In | ▼ | Identify | Unauthorized | Auto Face Find |
| 2013-04-12 09:12:[illegible] | 611 | | FS038 | 0 | In | ▲ | Identify | Success | Auto Face Find |
| 2013-04-12 09:06:05 | | | FS038 | 0 | In | ▼ | Identify | Unauthorized | Auto Face Find |
| 2013-04-11 18:51:42 | 699 | | FS038 | 0 | In | ▲ | Identify | Success | Auto Face Find |
| 2013-04-11 11:26:05 | | | FS038 | 0 | In | ▼ | Identify | Unauthorized | Auto Face Find |




Moreover, the device provides a last resort: Add Access Log, to allow administrator to enter an access log manually without facial recognition. But the log will be marked clearly that such access record was entered by Administrator.



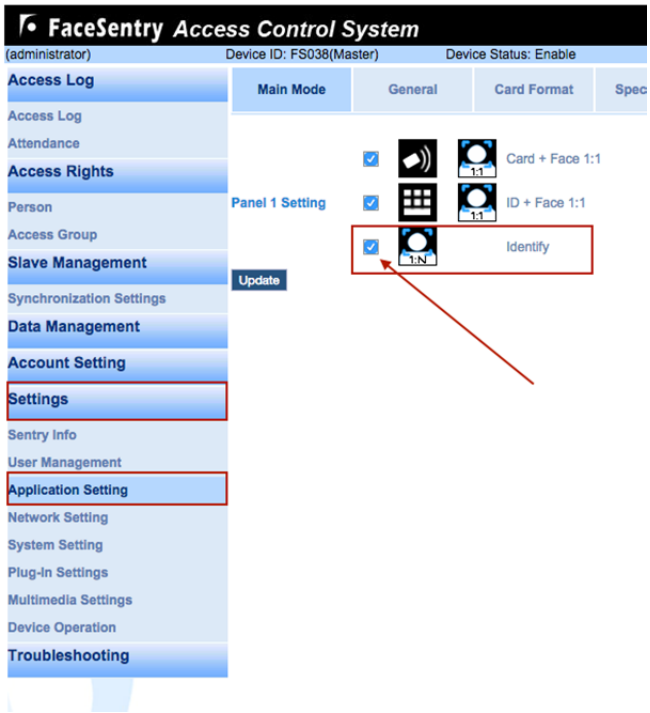
## 6. How to open 1:N recognition mode

The operation needs to execute on 2 levels:

1. Open 1:N recognition mode on FaceSentry 5 equipment
2. Open 1:N recognition rights on registration level

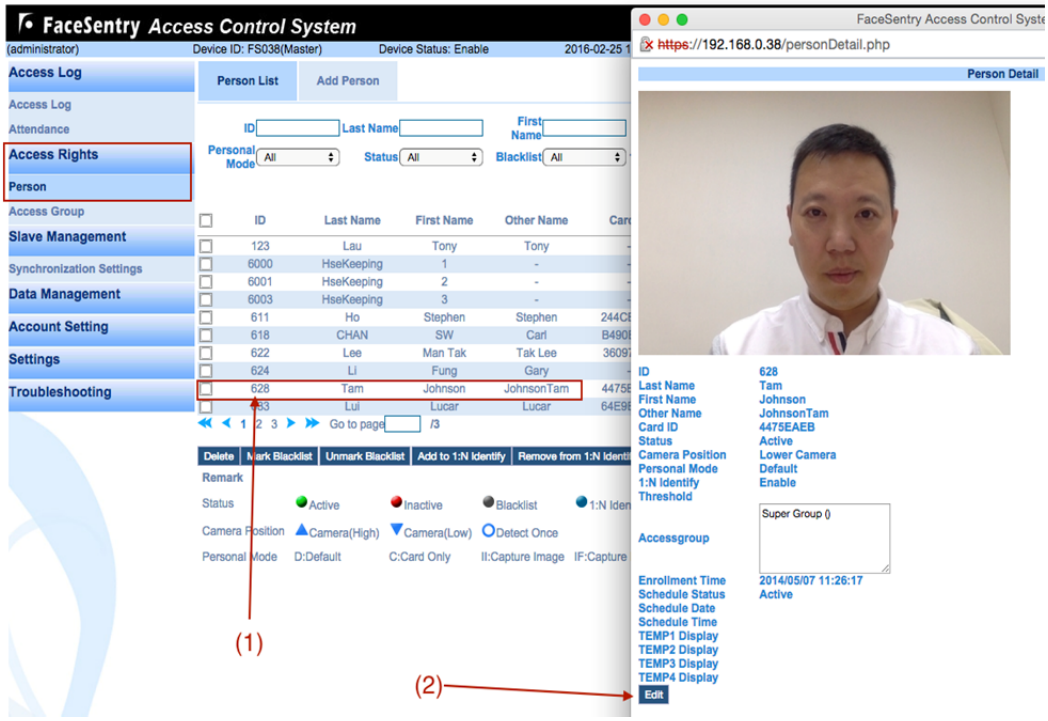
Then, below are the operating steps.

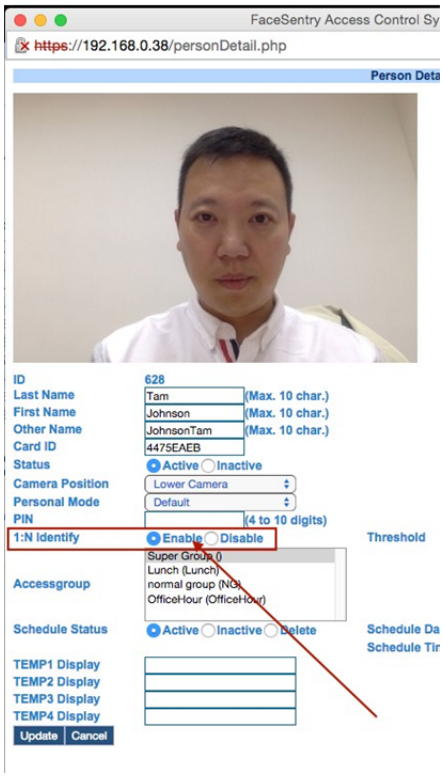
First, find “Settings | Application Setting | Main Mode”, ensure the frame in front of “1:N identify” is already ticked, shows below:




Second, find menu through “Access Rights | Person” to choose ID for running 1:N recognition mode.

Click “Edit” button, then ensure “1:N Identify” “Enable” is chosen, shows below:



## 7. How to use FaceSentry for door opening

It is easy but you need to connect a few wires. Following steps are for preparation before operating.

7.1 FaceSentry standard controller

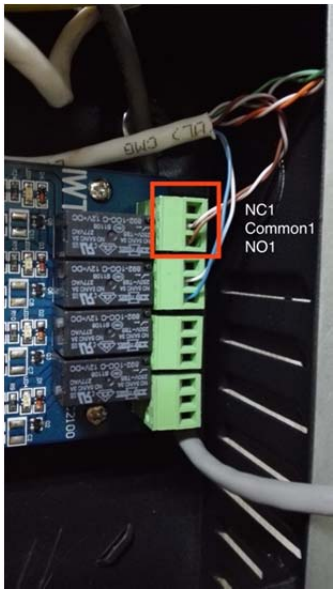
1. Find FaceSentry 5 control box

2. Prepare the key of FaceSentry 5 control box because the control box is locked. You can find the key from the accessory bag in the package.

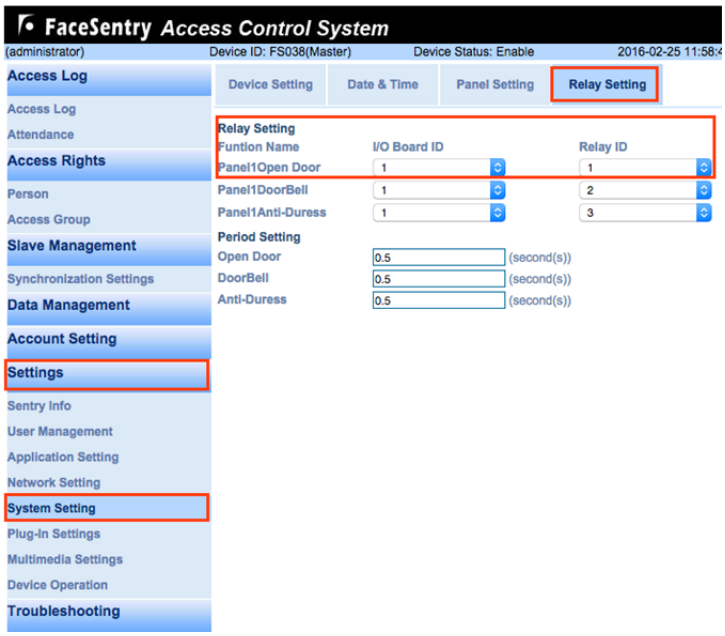
3. Confirm the message of your electric lock, latch, magnetic lock, revolving door or automatic door with the supplier, to confirm for whether there is door lock connector. You can find the door lock connector from the electric lock power source or the control board. These connectors have different label, e.g. NC, NO, GND. You need to confirm which connector is used for receiving the door open message from machine with the supplier.

4. Connect the suitable connector with compatible cable at the end of the electric lock. The other side of the electric lock should be connected with the controller box of FaceSentry 5.

5. Under default setting, door open signal should be connected with the first relay module on the top right-hand corner (count form the top to bottom). As picture below, NC connects with the universal relay module 1, universal relay module 2 will also be connected.



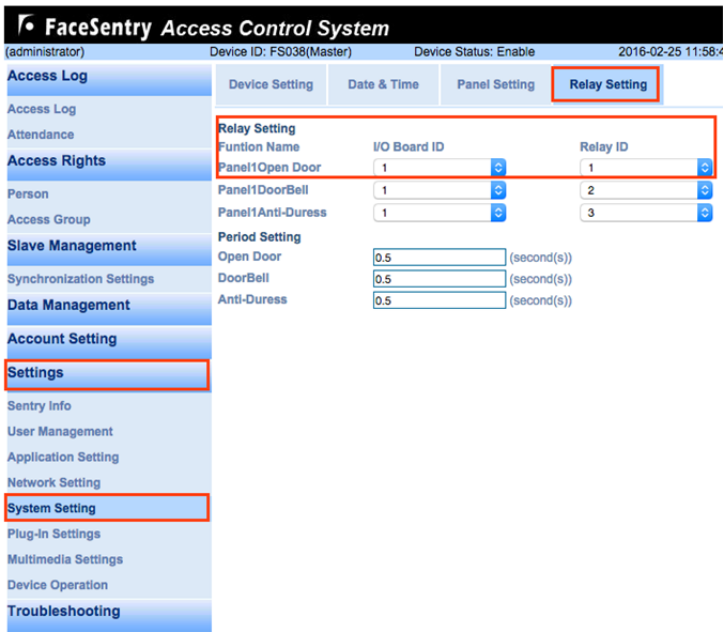

6. Check the relay setting configuration from “Settings | System Setting”. As picture below, relay module 1 setting as open door, relay module 2 setting as rang doorbell. You can choose from the menu to change for the configuration.



7.2 FaceSentry6 with a microcontroller

1. Find the microcontroller box of FaceSentry AN or Mini

Software default settings from the network management page:




2. NC1+Com1: Lock signal export
3. NC2+Com2: Doorbell signal export
4. Confirm the message of your electric lock, latch, magnetic lock, revolving door or automatic door with the supplier, to confirm for whether there is door lock connector. You can find the door lock connector from the electric lock power source or the control board. These connectors have different label, e.g. NC, NO, GND. You need to

confirm which connector is used for receiving the door open message from machine with the supplier.

- End of Quick Start Guide –
  Renewal date: 2018/09/12