
Elevator controller user manual

Version: 1.0

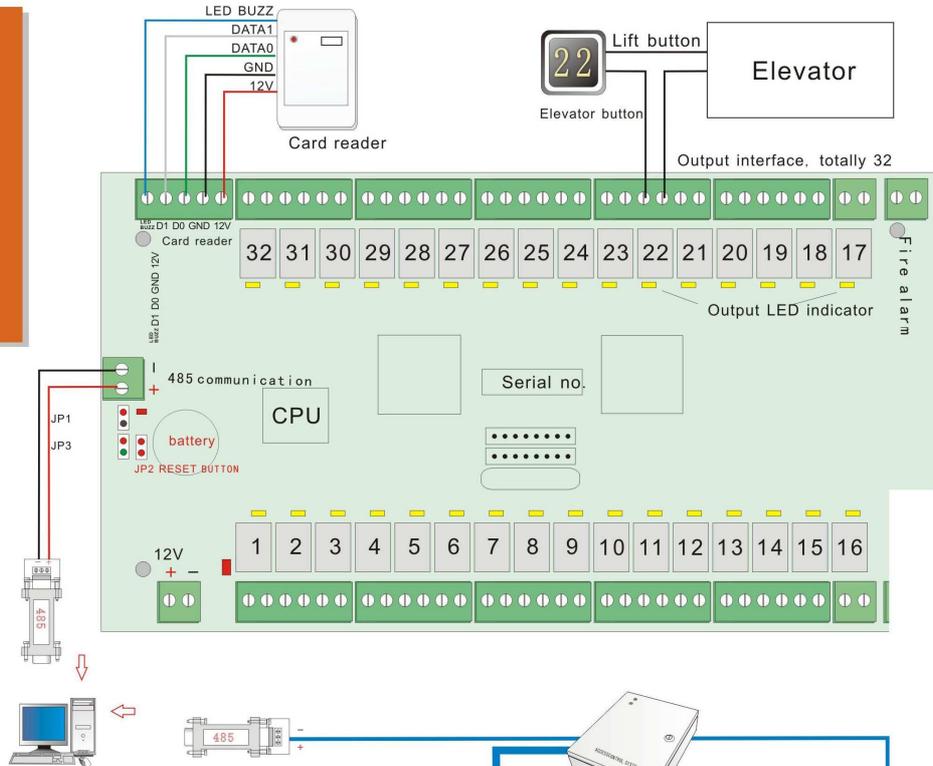
Date: 2010-01-19

Features:

485 elevator controllers use standard industrial serial port communication, and the communication distance can be as long as 1200 meters, each line can connect 255 pcs of devices. Elevator controller can work with our access controller in one software, easy to manage.

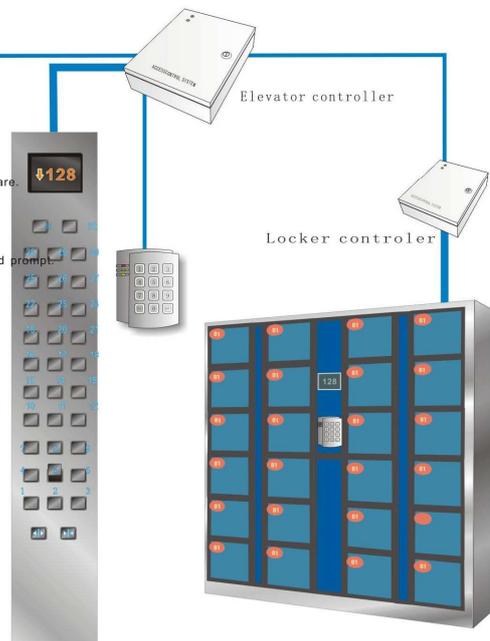
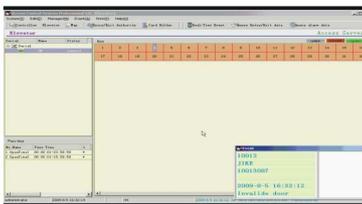
- **Standard 485 communication(baud rate)**
- **Flash chip with huge capacity, 8000 card information, 20000 records,10000 alarm event logs.**
- **32 pcs of input, 32 pcs of output.**
- **Each panel can connect 3 expansion panel, realizing as many as 128 inputs, and 128 outputs.**
- **Each input can be defined as door sensor or button input**
- **The first button can be defined as fire alarm input.**
- **Output can be defined as NO or NC.**
- **Door opening time zone can be 16 groups and we can set multi verification methods like card, card+PW, PW, double card, first card opening door.**
- **Support many kinds of alarm event output like invalid card, invalid time, door alarm, door open overtime.**
- **Support remote door open or close.**
- **Support real time.**
- **Working with other 485 or TCP/IP controller.**

Wiring diagram



Software features

- Support 485 and TCP/IP controllers, all of our access controllers use one software.
- Have all of functions that professional access control software possesses.
- Multi-language is possible. Customer can add new language easily.
- Real-time color show each point's status
- Support records showing in full screen, and show user photo. And support sound prompt.
- Support two database: MS Access and MS SQL server, MS Access as default.
- Support the authority on access controller, lift controller, locker controller under the same operation.
- Support operations through software.
- Support NO or NC status of random defined outputs.
- Start up software time synchronization, and just click mouse two times to update controllers.



Parameter

Size	228mm×144mm×22 mm
Memory	512K Flash
WG reader	Wiegand reader
Output interface	32 pcs of output can be defined as door sensor or release button
Input interface	32 can be defined as door sensor or release button
Expansion	Support three expansion panel, reaching 128 inputs and outputs.
Communication	485 baud rate9600
Time zone	16 time zone, support valid data16
Verification	Card, card+PW, double card, PW, first card opening
Door keeping open time	1—65535sec.
Door open overtime	1—255 sec.
Event output	2 interfaces
Alarm event	Door alarm, invalid card, invalid time, door open too long
Alarm time	1—65535 sec. or no limitation
Fire alarm	Can set the first input as fire alarm input
Card capacity	54000
Card events	60000
Alarm logs	10000
Offline	Support
Holiday	Support
Remote operation	Support

Basic operation procedures

1 Install software

2 Log into software

3 Serial port communication management.

4 Open elevator controller device management—add elevator controller—input serial no, connect controller and communicate.

5 Choose elevator controller parameters—add new pass time.

6 Update elevator controller parameters.

7 Define access control authority.

8 Personal management—add user—dispatch card—edit authority

9 Download card data

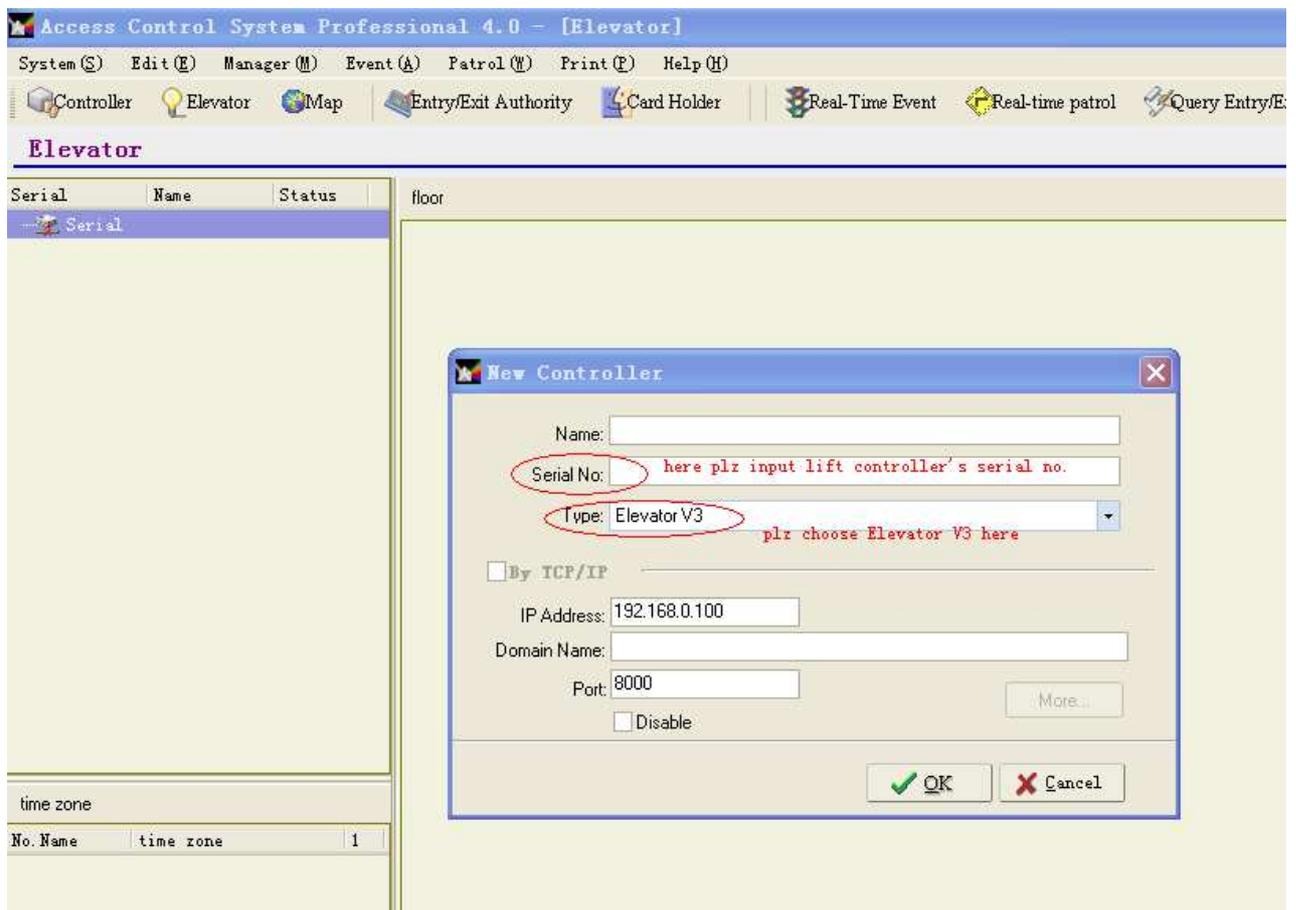
10 Checking data.

Note: The steps in red color must be executed.

Elevator controller device management

After log into access control software, we can manage all of access control devices. Elevator controller management interface:

Right click on 485 serial port icon—add elevator controller. Then software will automatically show elevator floors.



Access Control System Professional 4.0 - [Elevator]

System (S) Edit (E) Manager (M) Event (A) Print (P) Help (H)

Controller Elevator Map Entry/Exit Authority Card Holder Real-Time Event Query Entry/Exit data Query alarm data

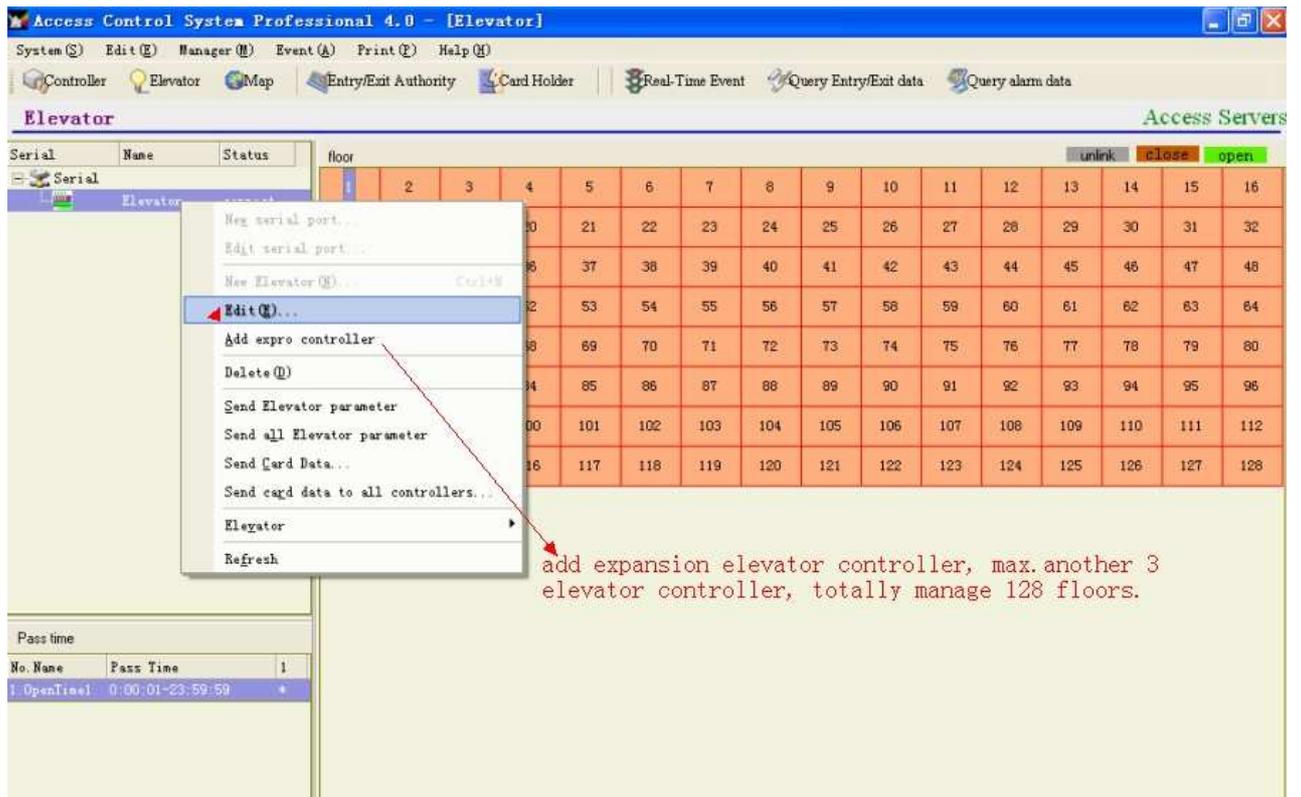
Elevator Access Server

Serial	Name	Status	floor												unlink	close	open	
Serial	Elevator ... connect		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	29	30	31	32
			33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
			49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
			65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
			81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
			97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
			113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128

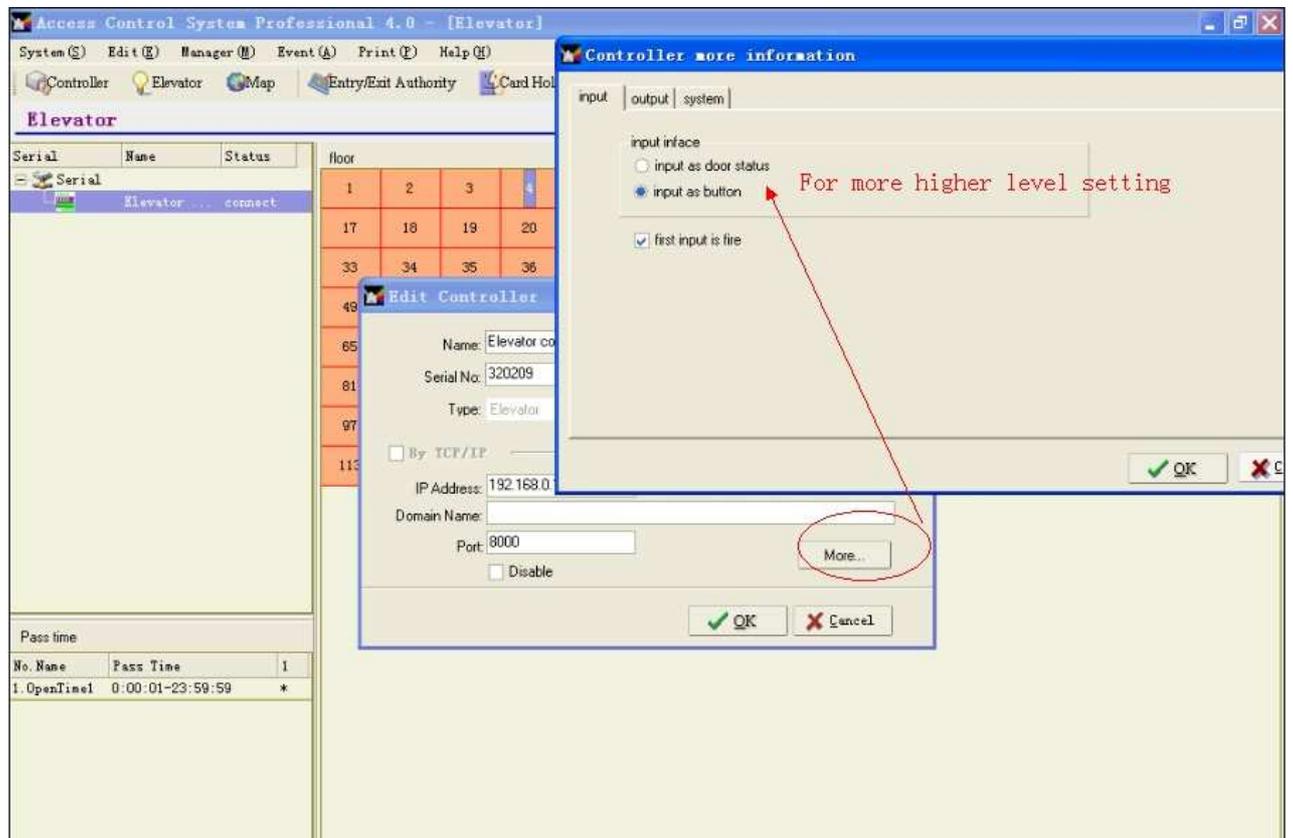
Pass time

No.	Name	Pass Time	1
1	OpenTime	0:00:01-23:59:59	*

Set parameters



Choose controller—right click--edit



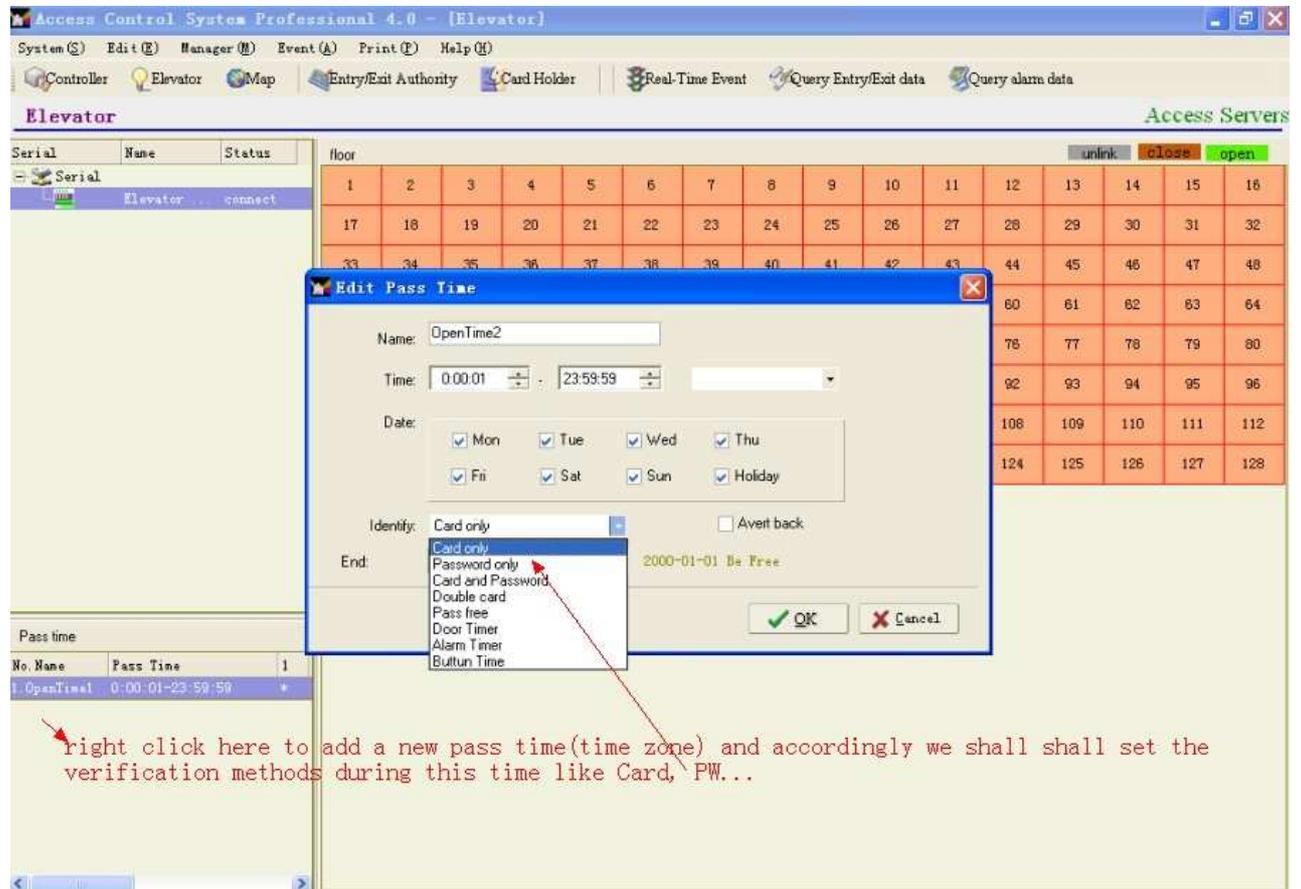
Shielding: During shielding, software will not communicate with controller, also can not datatransport

Higher lever option:

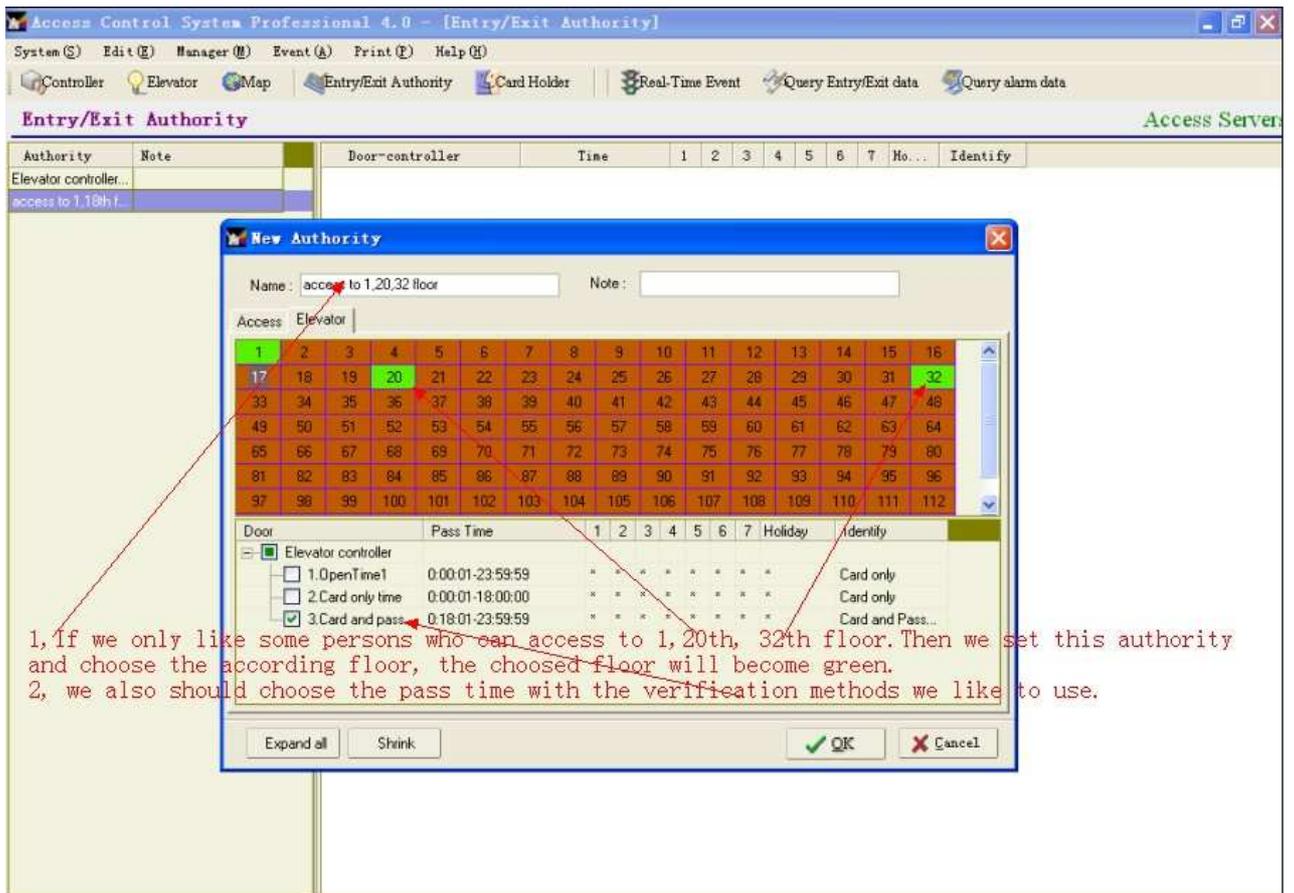
The following is the procedure of how to set from A-C

1, Add new controller.

2, Set time zone and according verification methods.

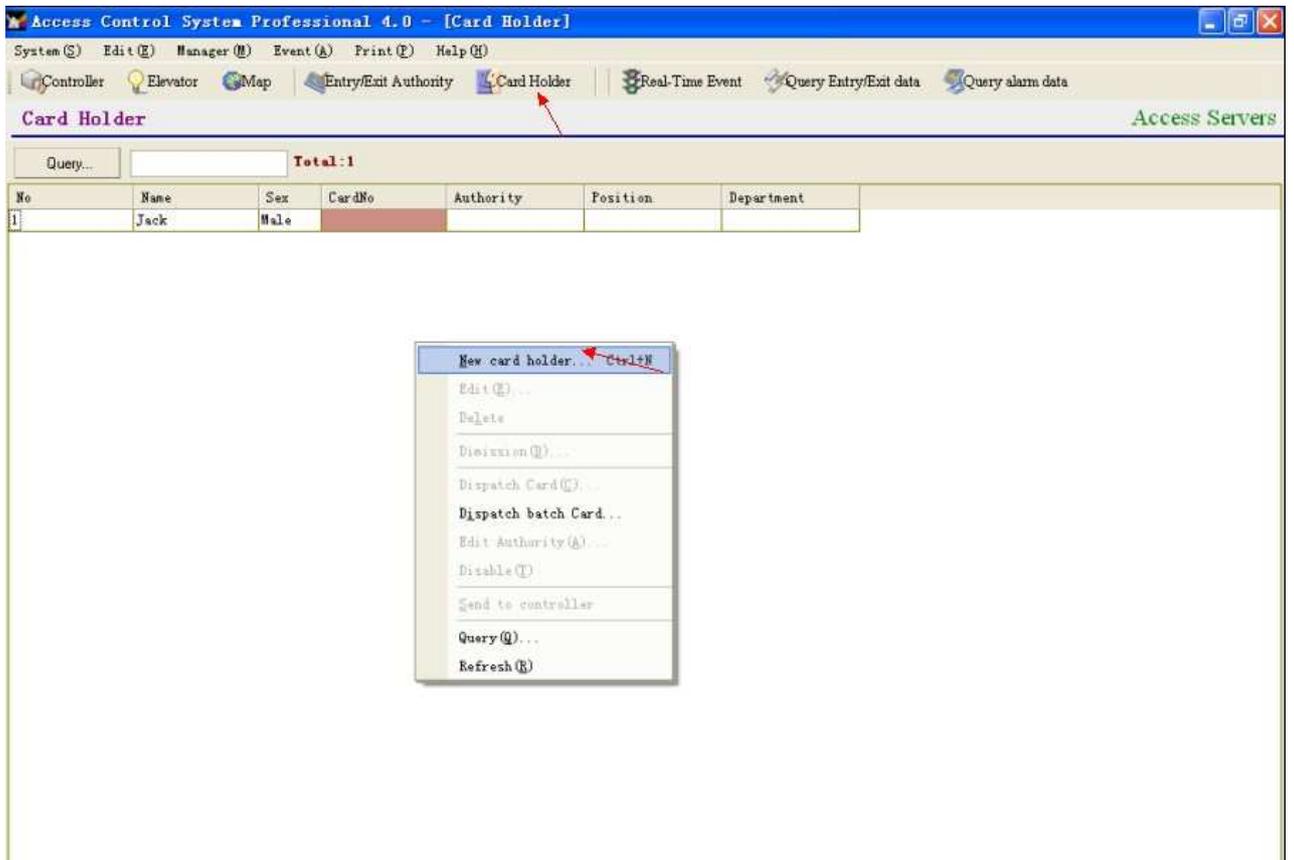


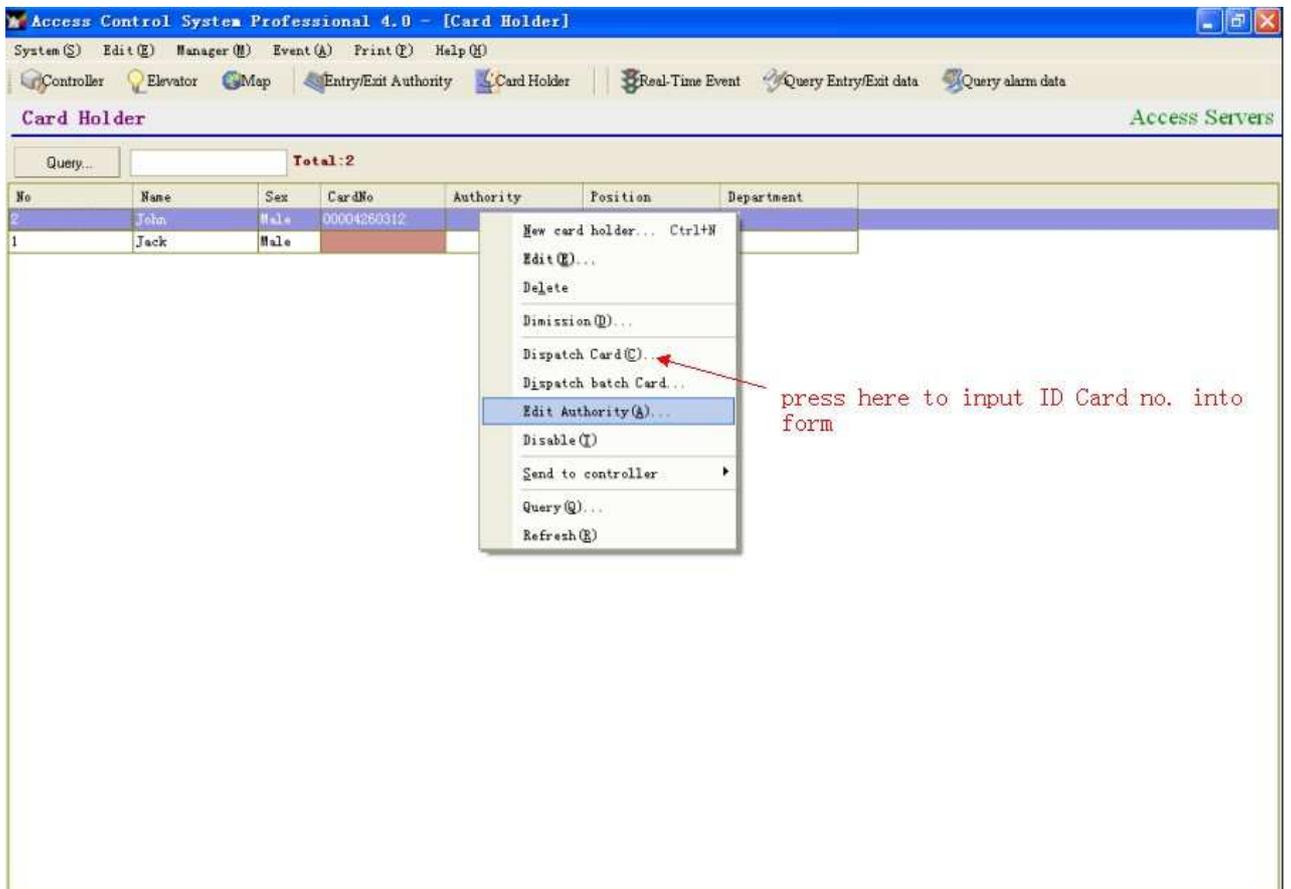
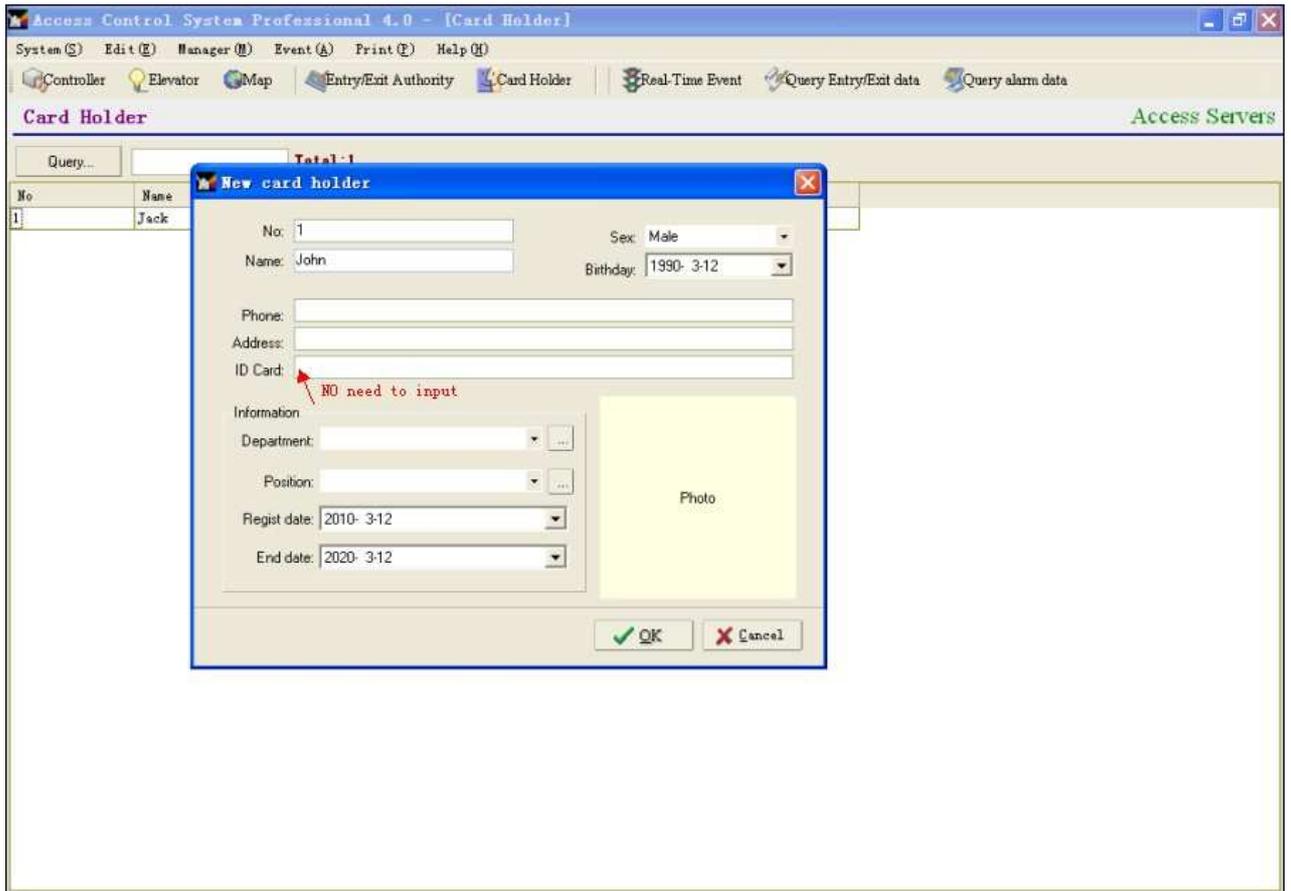
3, set authority (through here, we shall set different authorities for different people who can access to which floor, we like) For example, we like a authority that people can access to 1, 20th, 32th floor. Then we can add a new authority and name “access to 1, 20th , 32th floor” and choose 1, 20th , 32 floor as green color and choose according pastime (we set in last step)



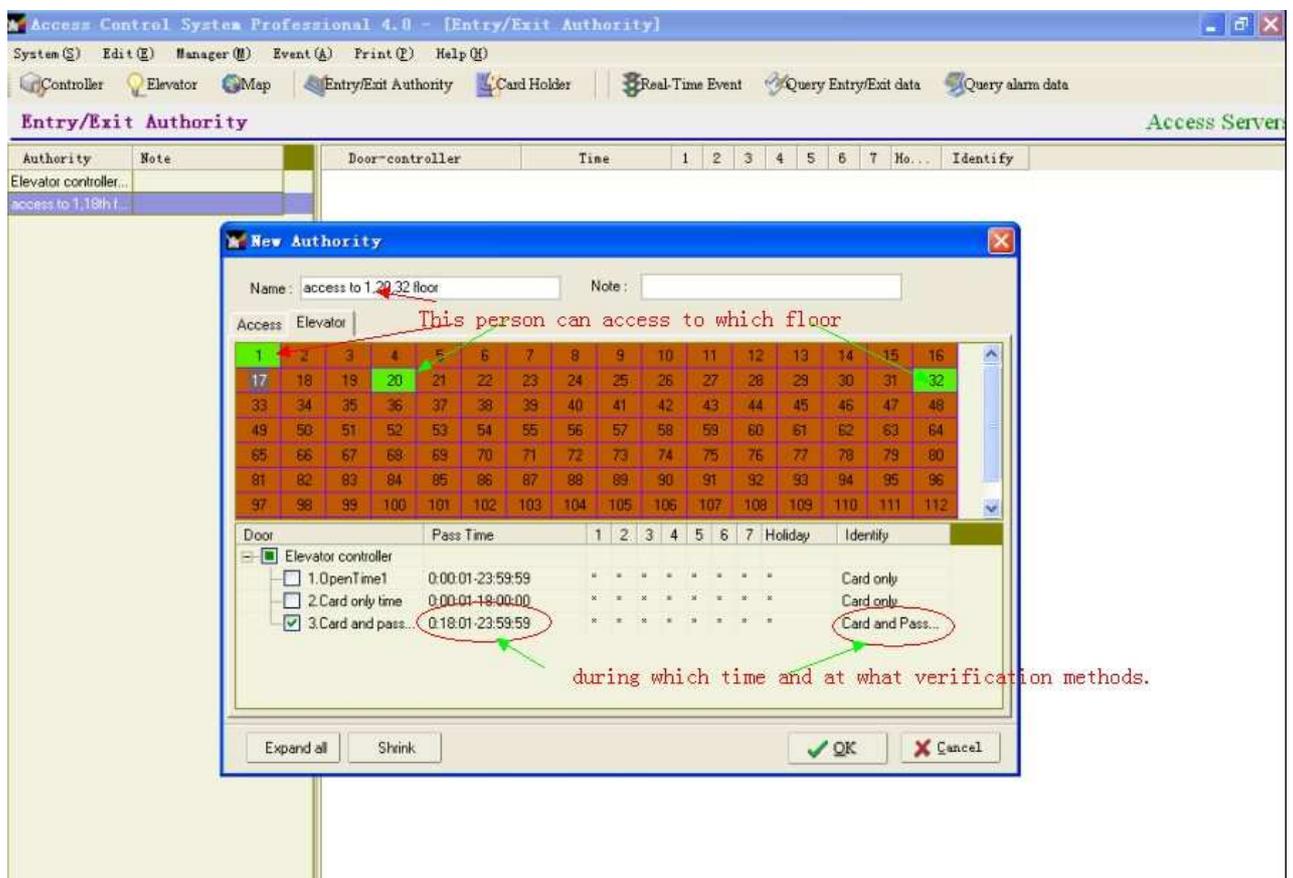
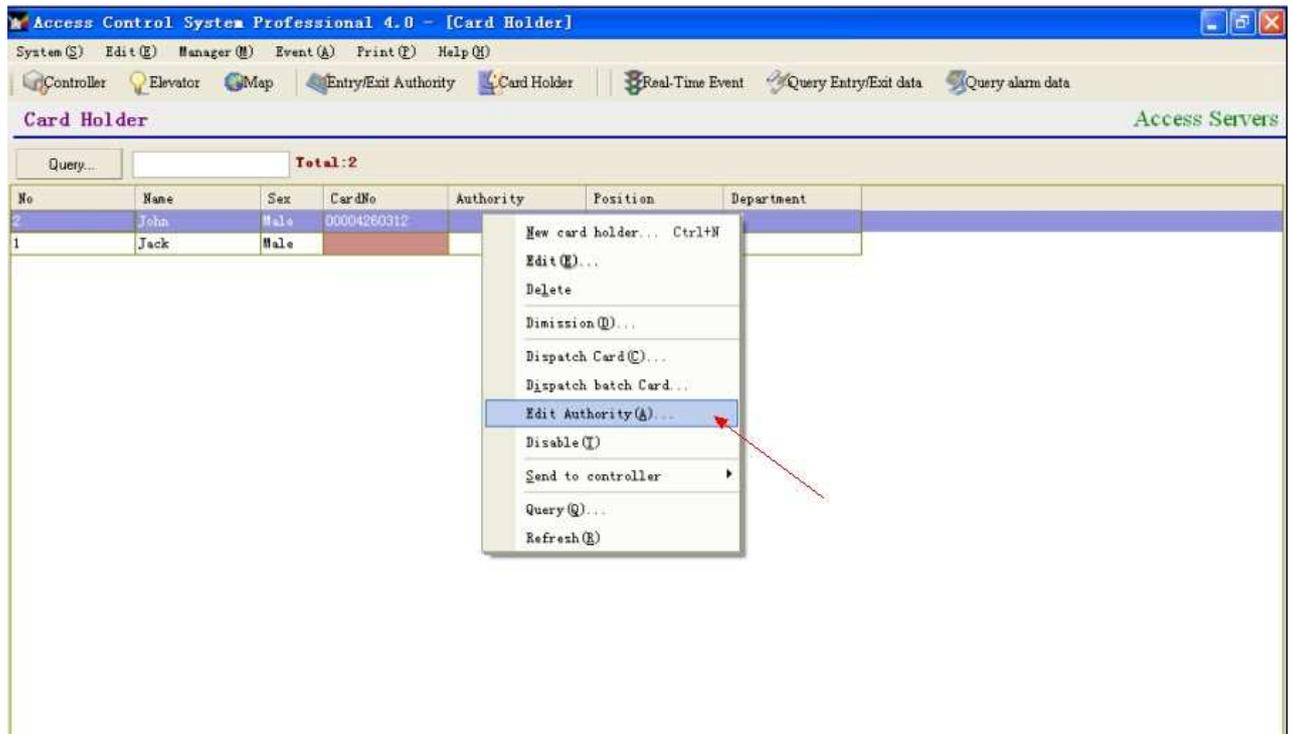
4, 5 steps are to dispatch card and authorities that we like who can access to which floors at what verification methods.

4, register new user.

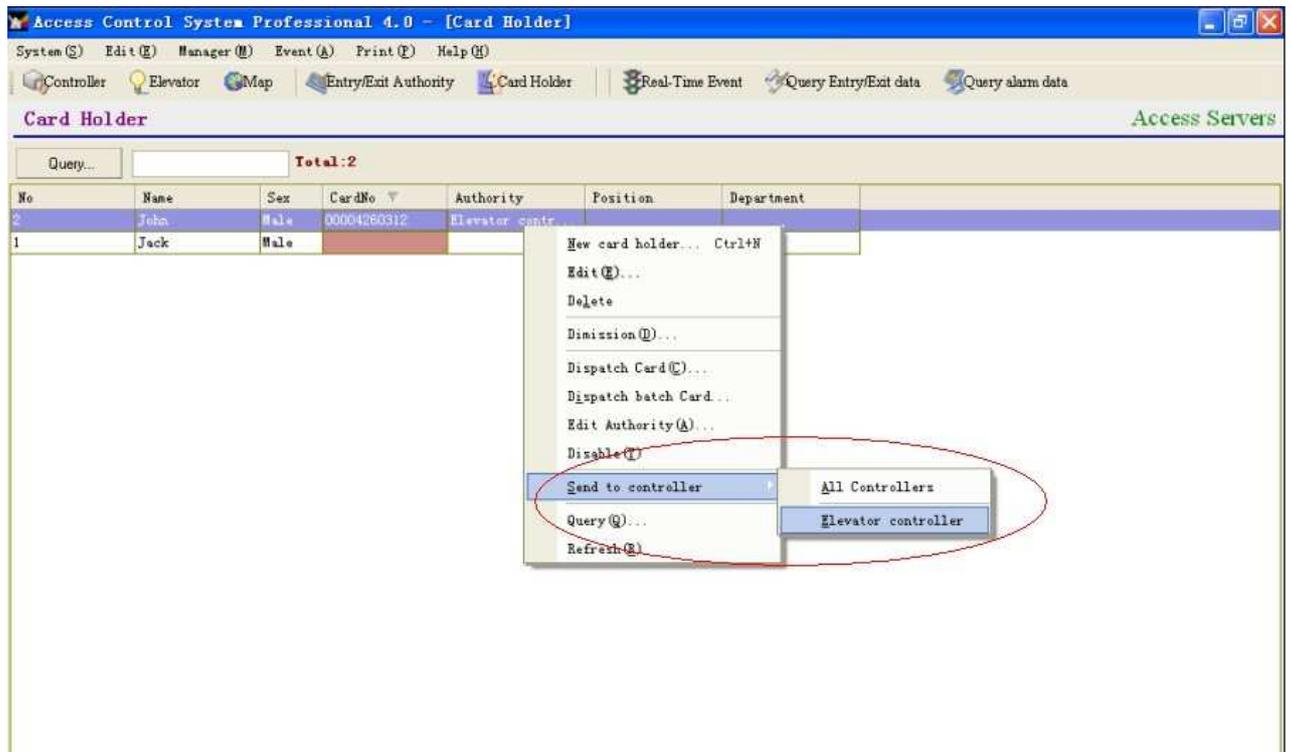




Give personal authority (who can access to the designated floor(set in the new authority and at what verification methods)



6, send data to controller



7, events

