How to connect controller from internet by ELE software setting (Case study "PC-T100+6750V")

Pongee Industries Co., Ltd.

How to connect controller from internet by ELE software setting - Case study " PC-T100+6750V "

Setup PC-T100 and well connected with card reader and login broadband router setting website.
(Step 1 to 2)

Setting the physical IP address in the subsidiary broadband router WAN (Need to apply from ISP industry to complete internet setting.)(Step 3 to 9)

Complete setting for external IP (Physical IP) with internal PC-T100 and transfer into specific port from the access control software in the subsidiary of broadband router
(Step 10 to 13)

Parent company can be connected into subsidiary internal PC-T100 configuration website after complete the subsidiary broadband router setting.
(Step 14 to 16)

No

Yes

Back to the parent company, Login the subsidiary of PC-T100 settings page (Step 17 to 21)

No

Login to the parent company access control software to do the subsidiary of the PC-T100 + PP-6750V card reader connection settings(Step 22 to 47)

Yes

Connection complete

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Case study: <Example> Firstly, make sure the parent company had installed access control software to control card readers. Now, because of the demand to extend overseas branches , need to use existing software to control overseas subsidiaries card readers. The following case shows the connection mode for reference

Instruction: To installed PC-T100 and card reader in subsidiary and login broadband router setting website (case example- BUFFALO BBR-4HG)
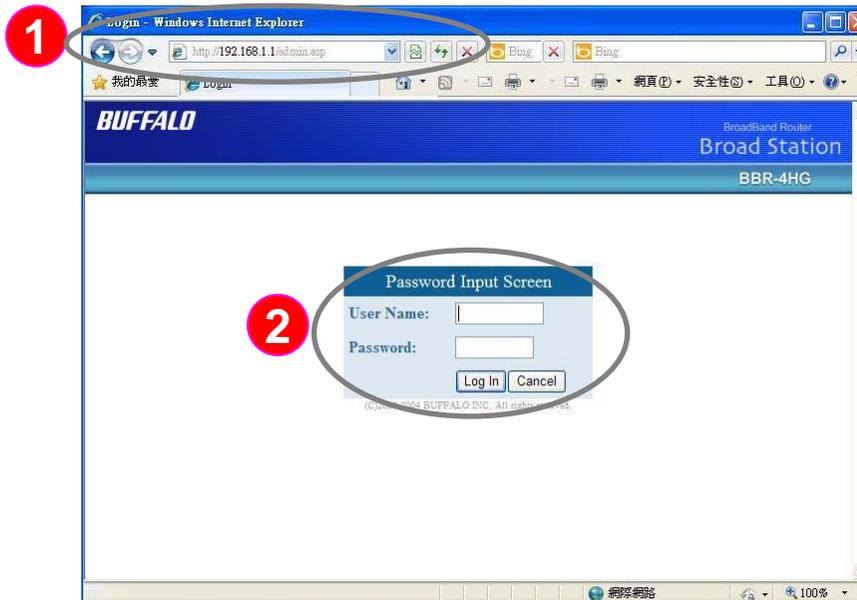
1 :Open Internet Explorer, enter the broadband router IP address in the URL (in this case http://192.168.1.1), and, press the "Enter" key

2 :Login username and password, get into settings webpage

*Note: each broadband brand router setting is different, this case is just an example for reference only

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Instruction : Setting the physical IP address In the subsidiary broadband router WAN（Need to apply from ISP industry), to complete internet setting

3 :Click "WAN Settings ",it comes out a pull-down menu, please select "WAN Port"

:At "WAN side IP Address ",

4 please select "Manual Setup" and input public " IP address " and " Subnet mask " (Need to applied from ISP industry).

5 :After confirmed, press "Set" to complete setting

6 :Click "WAN Settings ",it comes out a pull-down menu, select "WAN Side network"(shown at lower left)

7 :At " Default Gateway", please input gateway applied from ISP industry.

8 :At " DNS (Name) Server Address" , please input applied from ISP industry.

9 :At " WEB Set Port No", please stagger the original "80" port, in this case, we changed into "8080" port

* Note: "80" port to be defined as the standard port in the Internet, for this case we will allocate PC-T100 to use "80" port

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Instruction: Complete setting for external IP (physical IP) with internal PC-T100 and transfer into specific port from the access control software in the Subsidiary of broadband router

10 : Click "Network Settings" ,it comes out a drop-down menu, please select "Address Translation " (shown at left)

11 : Please press "Input an address translation rule " button, prepare to add on setting

12 :1. "Group " name defined "pct100 "

 2. "WAN side IP Address" sources from the broadband router WAN settings of BroadStation (WAN side) (Checked previous steps 2 to 4)

 3. "Protocol" select "TCP ""4001-4002 "

 4." LAN side IP Address" sources from the broadband router inner PC-T100 IP (in this case, the default IP address is 192.168.1.150)

 5."LAN side Port" select "TCP""4001-4002 "

13 :Press " Register/Save " to complete setting.
 * Note: "4001-4002" is special port for Pegasus access software ,can not be modified.

Instruction: Parent company can be connected into subsidiary internal PC-T100 configuration website after complete the subsidiary broadband router setting

14 :Press " Input an address translation rule " button, to add on the setting

15 :1. "Group " we defined "pct100web "
2. "WAN side IP Address " from the broad band router WAN settings of BroadStation (WAN side) (Previous steps 2 to 4)
3. "Protocol " select "TCP " "80 "
4. " LAN side IP Address" from the broad band router inner PC-T100 IP (in this case, the default IP address is 192.168.1.150)
5. "LAN side Port" select "TCP" "80 "

16 : Press "Register / Save" to complete setting.
* Note: "80" port to be defined as the standard port in the Internet Protocol , in this case is for PC-T100 usage, the parent company can be access subsidiary public IP connect into the subsidiary internal PC-T100 configuration website

BroadBand LocalRouter
Broad Station
BBR-4HG

▲Back to TOP

▶LAN Settings

▶WAN Settings

▼Network Settings

——Route Information

——Address Translation

——Packet Filter

——Intrusion Detection

——UPnP

——VPN Pass-Through

▶Managem

▶LogOut

Address translation setup

Register/Save   Return to previous state

* push the register save button in order to add or edit an item. If before registering/ saving is finished, the page is moved on, the data is lost and returned to the previously saved state.

Address translation table

Group	WAN side IP Address	Protocol		LAN side IP Address	LAN side Port
FTP	BroadStation WAN IP Address	FTP(TCP Port:20,21)	<--->	192.168.1.248	FTP(TCP Port:20,21)
pct100	BroadStation WAN IP Address	TCP Port:4001-4002	<--->	192.168.1.150	TCP Port:4001-4002
pct100web	Group pct100web	BroadStation(WAN side)	TCP	<---> 192.168.1.150	80
		80			

Input an address translation rule

Delete all items

網際網路   100%

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Instruction: Back to the parent company, and login the subsidiary of PC-T100 settings page
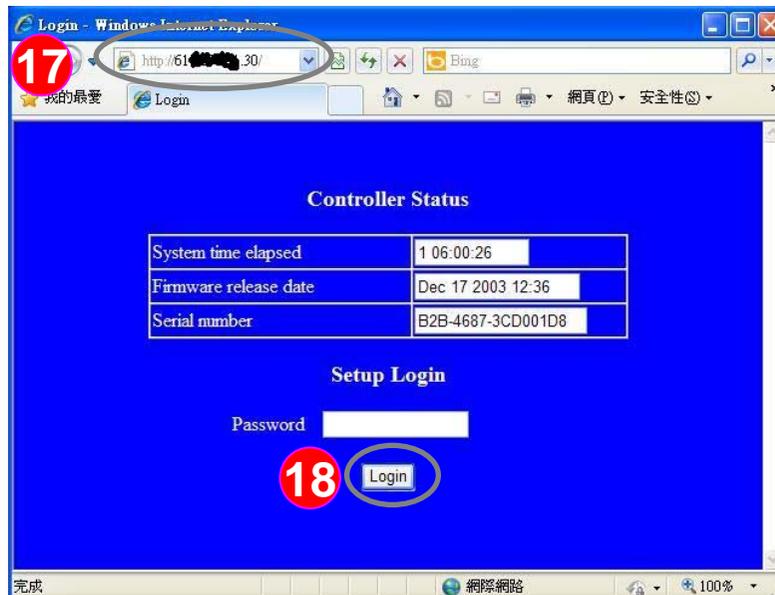
17 :Open Internet Explorer, enter the subsidiary public IP address in the URL (in this case http://61.xx30), finally, press the "Enter" key

18 : At this step you can enter the PC-T100 settings page, enter the password and press the "Login" button to enter.

* Note: Default PC-T100 no need to enter the password

Instruction: Back to the parent company, and login the subsidiary of PC-T100 settings page

19 :At subsidiary PC-T100's IP address, subnet mask, and default gateway

20 :1."Serial Port 1 " is in charge of RS-232 interface; "Serial Port 2" is in charge of the RS-485 interface, please follow the card reader communications and wiring connection to the "Socket port" for "4001 TCP Server" (Another requested "4002" is not used)

2."Baud rate" and other related settings based on the card reader specifications

21 :After confirmation,press " Update" to save the setting

* Note: <This case based on> PP-6750V (Baud rate 9600bps) by RS-485 interface to communicate with PC-T100
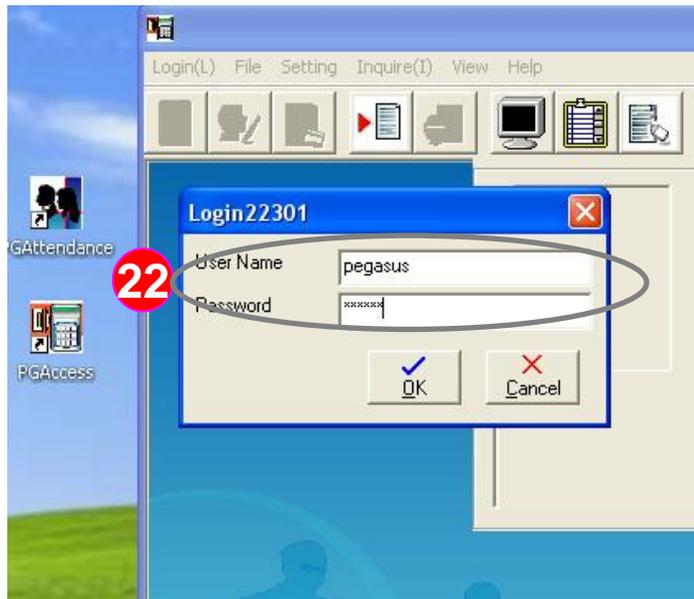
Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

22 :Please login to the administrator account system

Account name: pegasus
Password: pongee
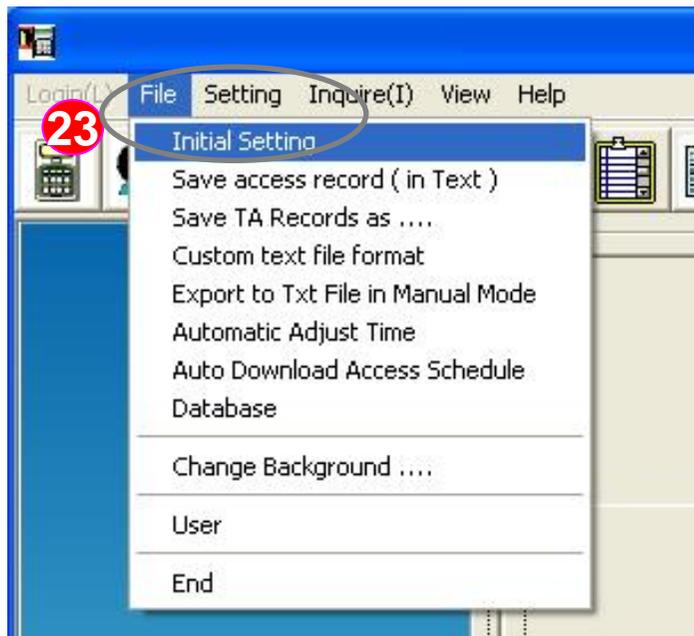
23 : Click the menu "File" and drop-down manu display window than click "Initial Setting"(shown at left)

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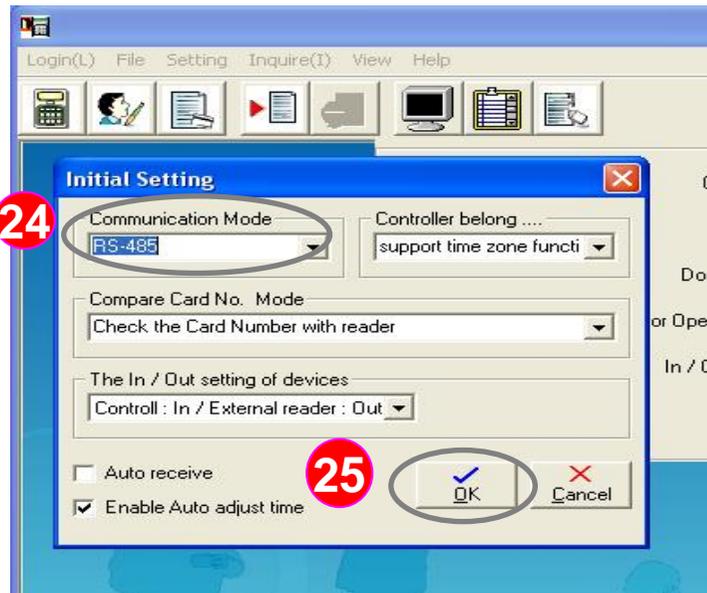
Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

24 : "Communication Mode ",please select " RS-485 "

* Note: according to the steps **18** - **20** , the PC-T100 use RS-485 interface communication to card reader.

25 : Press " OK " to save the setting
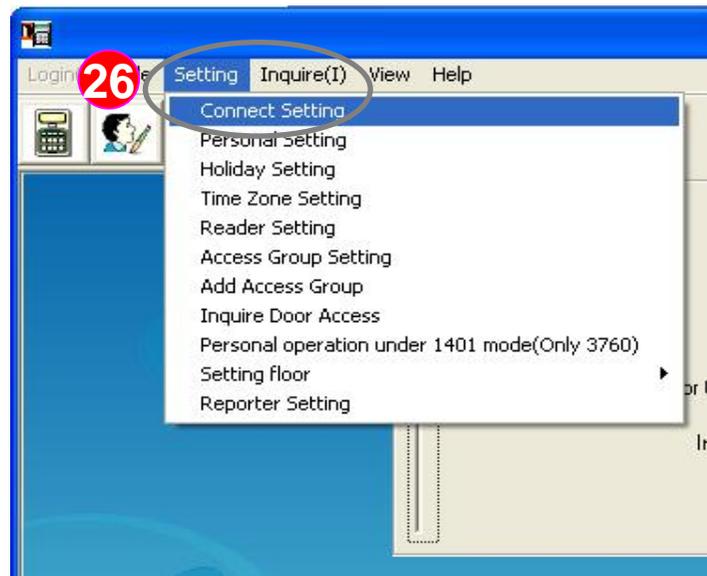
26 : Click the menu "Setting (S)" and drop-down manu display window then click " Connect Setting"(shown at left)

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Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

27 : "Select Connect Mode", please select "TCP/IP "

28 :Please press " Edit IP Address "to add the subsidiary of the PC-T100 IP address

29 :"Edit IP Address" window appears, please click "Add"

30 :Please enter the subsidiary of PC-T100 IP address, " Area" input "Subsidiary" to facilitate the identification

31 : Press " OK " to save the setting

32 :The software will be included in the list of IP address

33 : Press " X " to complete the setting

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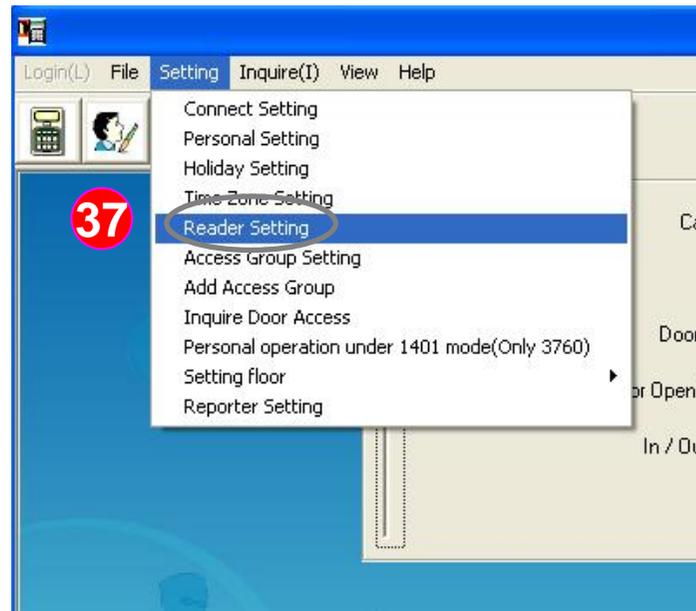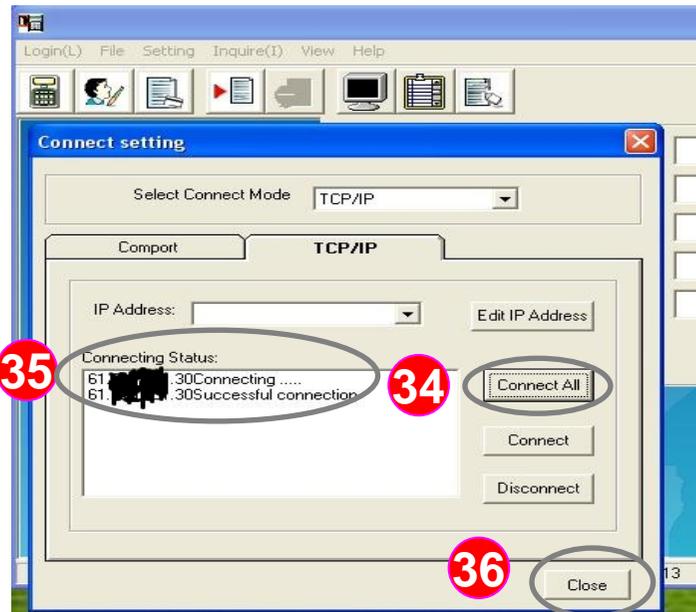
Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

34 :Click " Connect All " button, the software begin to detect all TCP / IP device

35 : You can find the subsidiary PC-T100 IP in the final state - " Successful connection", it means the TCP / IP connection is succeed

36 : Press " Close " to complete the setting

37 : Click the menu "Setting (S)" and drop-down manu display window then click "Reader Setting"(shown at left)
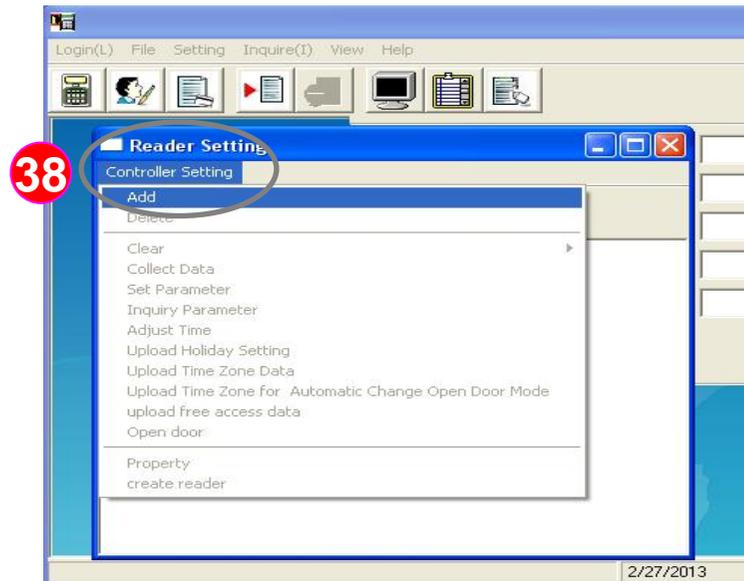
Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

38 : In the " Reader setting " menus, please click the "controller settings" , it will drop-down manu display window, please select "Add"

Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings
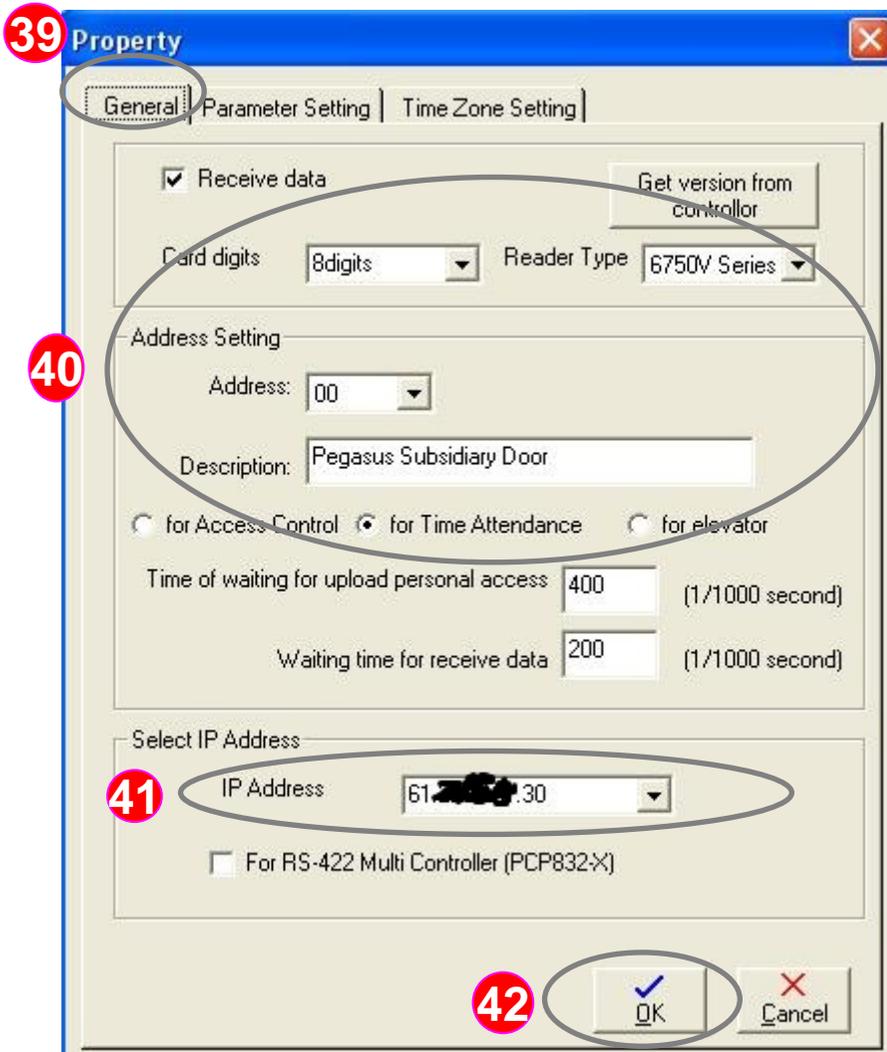
39 :Click "General" sheet, the system corresponding setting will switch to the window automatically

40 :PP-6750V installed in accordance with the subsidiary configuration, <Example> PP-6750V reference follows

1." Card digits " normal is " 8 digits "

2. " Reader Type " be sure to click on the " 6750 V Series "

3. " Address" with subsidiary card reader configuration

4. " Description " define the actual subsidiary card reader position (as shown on the left: "Pegasus Subsidiary Door ", meet the on-site situation

5."Purpose" in accordance with the requirements set

41 :In the " Select IP Address " item,please check drop-down menu to select subsidiary IP

42 : Press " OK " to save the setting

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39 Property

General | Parameter Setting | Time Zone Setting |

☑ Receive data   Get version from controllor

Card digits   [8digits ▼]   Reader Type [6750V Series ▼]

40 Address Setting

Address: [00 ▼]

Description: [Pegasus Subsidiary Door]

○ for Access Control   ● for Time Attendance   ○ for elevator

Time of waiting for upload personal access [400] (1/1000 second)

Waiting time for receive data [200] (1/1000 second)

Select IP Address

41 IP Address [61.███.30 ▼]

☐ For RS-422 Multi Controller (PCP832-X)

42 ✓ OK   ✕ Cancel

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Instruction: Login to parent company access control software and do the subsidiary of the PC-T100 + PP-6750V card reader connection settings

43 :Left mouse button click the" Pegasus Subsidiary Door " reader (anti-blue card reader is selected)

44 :Then right-click the mouse button, the system will drop-down function menus, use left mouse button to select " Open door " .
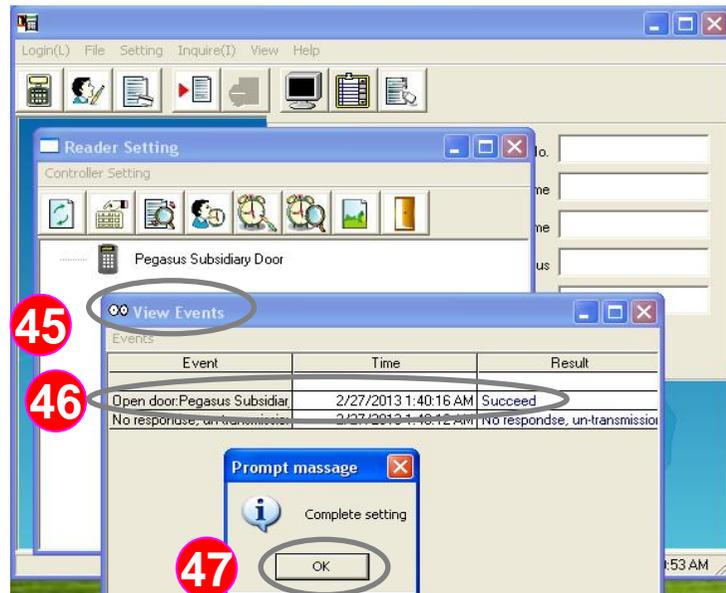
45 : At this time there are "view events "window.

46 :Please confirm " Pegasus Subsidiary Door " open door result is "Succeed ".

47 : Finally, click "OK" button to end