



SECUSYS 2000

Integrated Security System Software

Software Version 3

User Manual

Part B – Chapters 7 to 14

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Chapter 7 Setup Menu

The setup menu allows an installer to setup the entire system ready for the end user. There are many items in the Setup menu list (figure 7-1) The major sections here are the Setup Hardware and Setup Cards menus and these are placed at the top in a logical order for system setup.

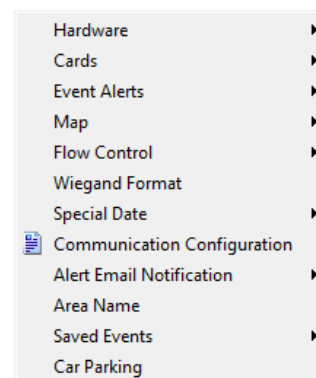


Figure 7-1

7.1 Hardware

The 1st item in the Setup Menu is Hardware. This is where all the physical SECUSYS hardware is configured (figure 7-1-1). Note that all hardware must have previously been installed and connected as per the SECUSYS Hardware Manual.

There is no theoretical limitation to the number of devices that can be managed by the SECUSYS 2000 software, the number is infinite. However there is a practical limitation and that is not related to the number of controllers be it 1000, 2000 or more, but to the number of events, the size of the database and the speed and quality of the network. For the larger type system then liaison with the IT department from the early stages will result in a more trouble free installation.

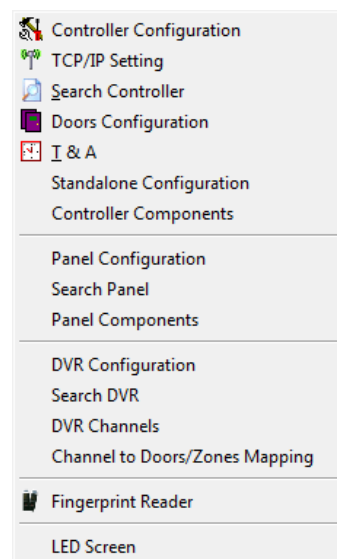


Figure 7-1-1

7.1.1 Controller Configuration

Clicking on the Controller Configuration sub-menu item on the Setup, Hardware menu will open the Controller Configuration screen (figure 7-1-1-1) Currently there are no controllers connected.

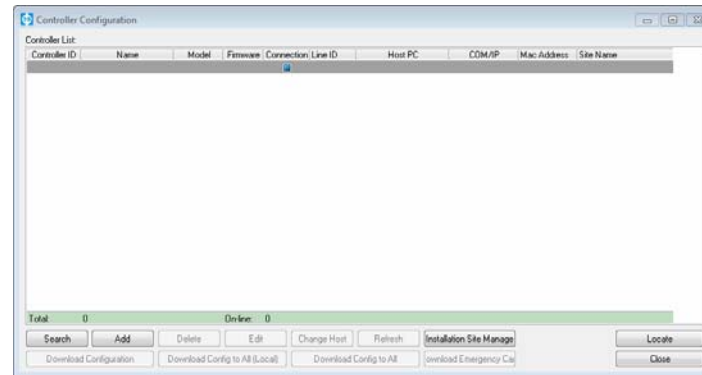


Figure 7-1-1-1

7.1.1.1. Searching for a Controller

The SECUSYS 2000 Integrated Security Systems software allows the user to avoid the need for manually adding and configuring controllers by doing this automatically. Click the “Search” button from the bottom of the Controller Configuration screen to open the “Search and Upload Controller” window (figure 7-1-1-1-1)

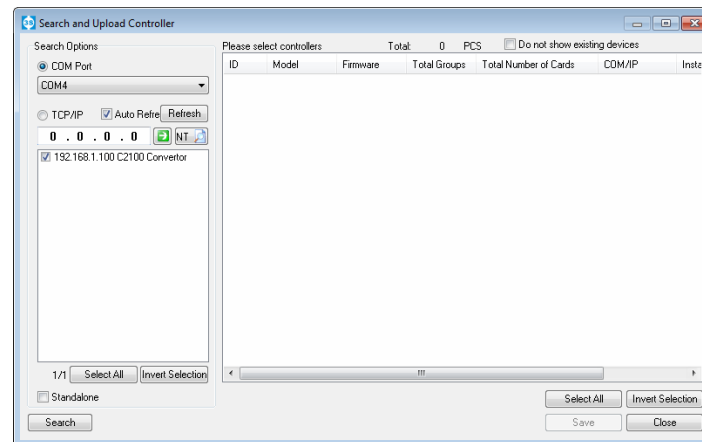


Figure 7-1-1-1-1

SECUSYS controllers can be connected either through a Serial Communications Port (COM Port) or through an IP address.

USB to RS-232 Serial Adaptors

Most modern computers do not come standard with a serial port. SECUSYS recommends the purchase of a Serial Port Card for the computer which is inserted inside the machine. Most laptops have a PCMCIA or Express slot where a Serial Port Card can be inserted. SECUSYS does not recommend the use of portable USB to RS-232 converters. Many of these devices in the market are unstable and do not offer a true RS-232 Port. However if a portable USB to RS-232 adaptor is used then please refer to section 3.9 for instructions on how to find the Com port number that Windows has allocated to this device. In this section when reference to a Serial or Com port is made this means either a onboard RS-232 serial communication port or a USB to RS-232 serial communications adaptor. If the Com port to which the controller/converter is connected to is unknown, then refer to Section 3.9.

Searching controllers connected to a COM port

There are two options for the connection of controllers to a serial port. If the controller is located within 15m (50ft) of the computer then the RS-232 protocol can be used to connect the controller to the serial port. In this configuration only a single controller is allowed. The 2nd option is to use a serial to RS-485 adaptor. The two advantages of a serial to RS-485 adaptor is that the 15m (50ft) limitation of RS-232 is extended to 1200m (4000ft) and the single device limitation of RS-232 is increased to 127 devices.

From the Com Port drop down menu at the top left of the "Search and Upload Controller" screen (figure 7-1-1-1) select the Com Port to which the controller(s) has been connected. In this case Com Port 4 has been selected (figure 7-1-1-1-1) Then click on "Search", and the connected controllers will be listed (figure 7-1-1-1-2).

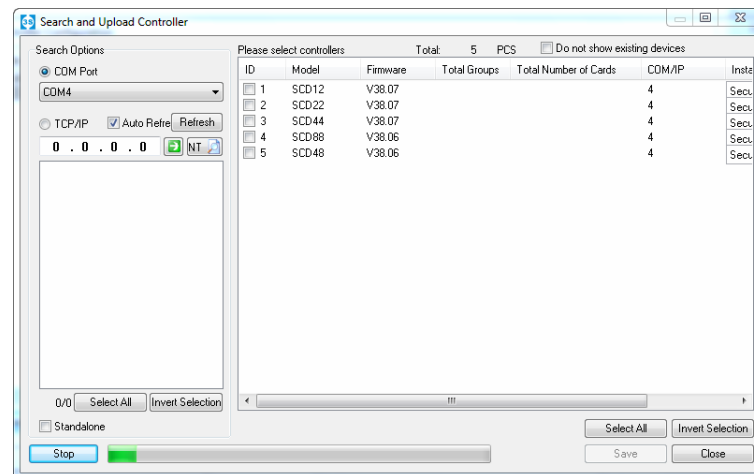


Figure 7-1-1-2

Click Stop and then tick the ID box for each of the controllers that are required to be saved (figure 7-1-1-1-3)

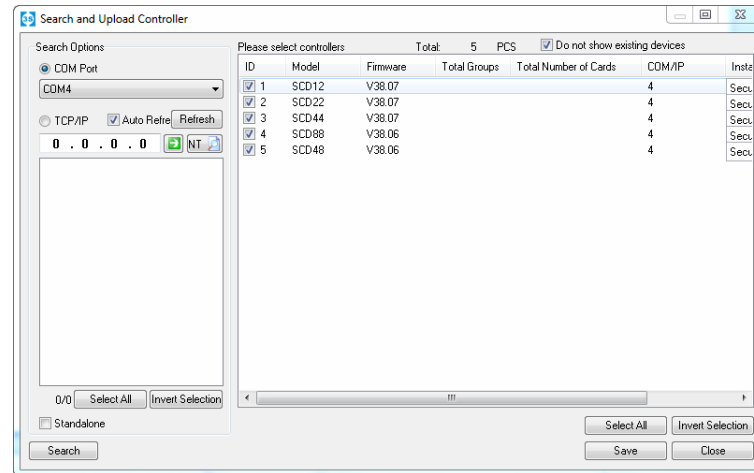


Figure 7-1-1-1-3

Click "Save" and then "Close". The controllers will be listed in the Controller Configuration screen (figure 7-1-1-1-4)

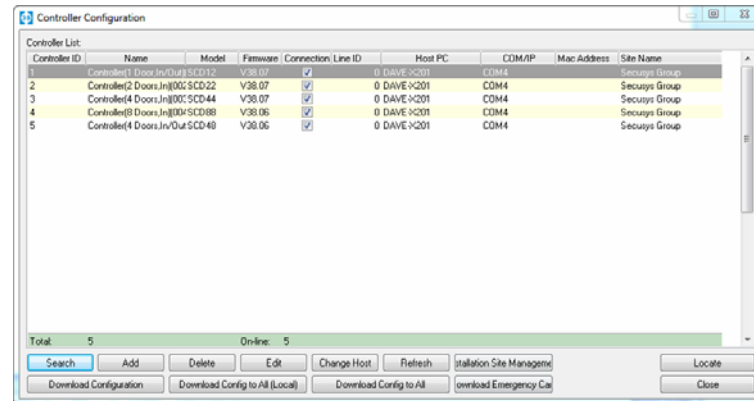


Figure 7-1-1-1-4

The Controller Configuration screen provides much information as follows.

The 1st column is the Controller ID which is set using Dip Switch 1 on the controller (refer Hardware manual).

The 2nd column is the name which will be the default controller name. This default name offers a very brief description of the controller. This name can be altered if required but will be overwritten if the controllers are uploaded for any reason.

The 3rd column is the Model and from the model the controller configuration can be identified. For example the 1st controller listed is a SCD12 where S = SECUSYS, C = C Series, D = Door Controller, 1 = 1 Door, 2 = 2 Readers.

The 4th column shows the current firmware and this is important for troubleshooting.

The 5th column shows that the controller is currently connected

The 6th column shows the Line ID that the controller is connected to

The 7th column shows the name of the server PC running the SECUSYS server software

The 8th column shows the actual Com Port or IP address for this controller

The 9th column shows the MAC address if this is a controller with built in TCP/IP

The 10th column shows the Company that the hardware key is licensed to.

Note that when searching for controllers the software starts at Address 1 and works through each controller one by one until it gets to address 127. This process takes several minutes and the progress can be viewed by the green bar that proceeds near the bottom of the screen. So if a device has a low value address then it will appear quickly, if it has a large address then it will take several minutes to appear. Note also that if the green bar seems to stop and not proceed then check the controller addresses, there may be two controllers with the same address.

Searching Controllers over an IP address

There are two options for the connection of a TCP/IP network to a controller. The 1st option is when using the SECUSYS V3.5 controllers and this is to use an external TCP/IP to RS-485 adaptor. This allows a single IP address to control up to 127 controllers. The 2nd option is to use the SECUSYS V4 hardware controllers with their built in 100M Ethernet connection and in this case each controller will have its own IP address.

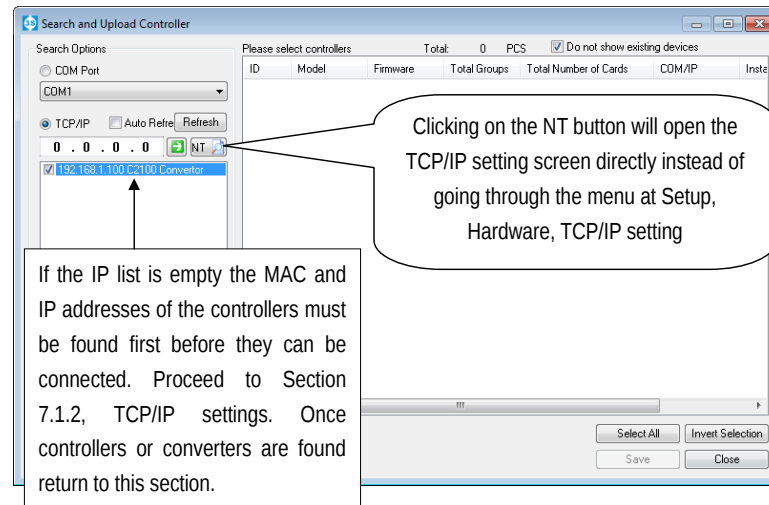


Figure 7-1-1-1-5

The setup for either option is the same. The 1st step is to select TCP/IP instead of a Com Port from the top left corner of the "Search and Upload Controller" screen (figure 7-1-1-1-5). **Note that the IP address of a controller or converter must first be listed in the IP address list as listed below the 0.0.0.0. (figure 7-1-1-1-5) If the device is not listed then the controller will not be found. If a TCP/IP device is connected to the same network and it does not appear in the list then proceed to Section 7.1.2 prior to searching for controllers.**

In total 7 devices were found on the 192.168.1.100 IP address (figure 7-1-1-1-6). The 1st 5 of these are door controllers, the 3rd letter being a D, the 6th device with an address of 126 is an Input/Output controller and the 7th device with an address of 127 is a lift controller.

Click Stop and then tick the ID box for each of the controllers that are required to be saved (figure 7-1-1-1-6)

Note that if a Standalone controller such as a SCD419 is connected then the "Standalone" tick box at the bottom left of the Search & Upload Controller screen will need to be ticked as the standalone controllers use a different protocol to the normal SECUSYS controllers (figure 7-1-1-1-6)

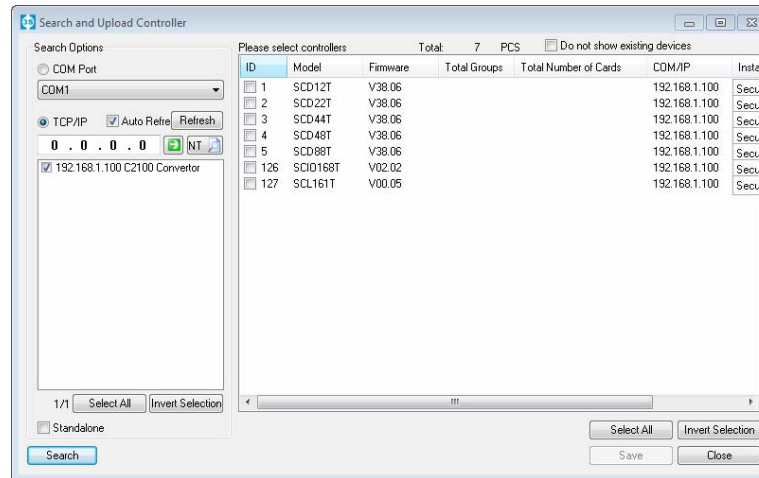


Figure 7-1-1-1-6

Click Save and then Close. The controllers will be listed in the Controller Configuration screen (figure 7-1-1-1-7)

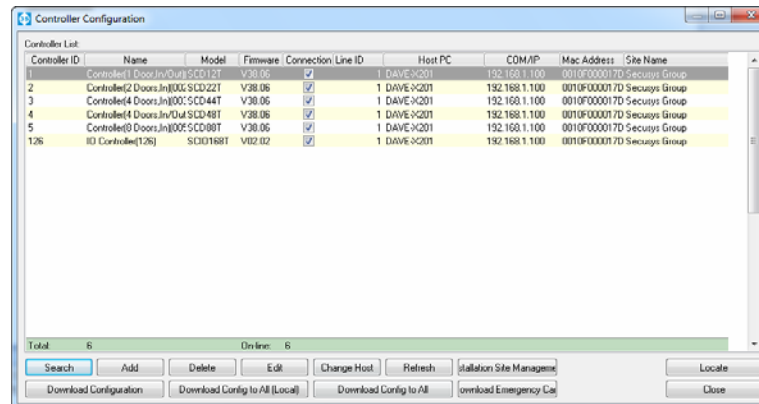


Figure 7-1-1-1-7

7.1.1.2 Adding a Controller

As an alternative to searching for controllers automatically, the user can add a controller manually. Click on the "Add" button from the main Controller Configuration screen (figure 7-1-1-1) and the Add Controller screen will appear (figure 7-1-1-2-1). Click on the drop down menu to select the controller type then enter a name for the controller. The controller name can be a maximum of 30 alpha-numeric characters. Enter the COM Port or the IP Address and Port which are in use. Note that the controller hardware DIP switches (1-8) must be configured before controllers are added.

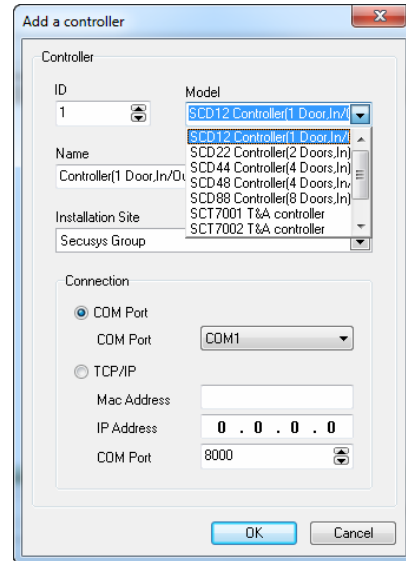


Figure 7-1-1-2-1

7.1.1.3 Deleting a Controller

To delete a controller, highlight the controller to be deleted (figure 7-1-1-1-7) then click on the Delete button. Click "OK" to the confirmatory question to confirm deletion (figure 7-1-1-3-1).

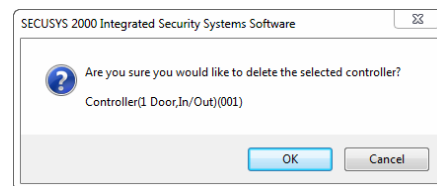


Figure 7-1-1-3-1

7.1.1.4 Editing a Controller

To edit a controller, highlight the controller to be edited (figure 7-1-1-1-7) then click on the Edit button and the Edit a Controller screen will appear (figure 7-1-1-4-1).

The 'Edit a Controller' dialog box is shown with the following details:

- Controller**
 - ID: 126
 - Model: SCIO168T IO Controller
 - Name: IO Controller(126)
 - Installation Site: Secusys Group
- Connection**
 - ☐ CDM Port
 - CDM Port: [dropdown]
 - ☒ TCP/IP
 - Mac Address: 0010F000017D
 - IP Address: 192.168.1.100
 - CDM Port: 8000

Figure 7-1-1-4-1

7.1.5 Refresh a Controller

To refresh the displayed status of all controllers click on the Refresh button (figure 7-1-1-1-7)

7.1.6 Download a Configuration

To download the current SECUSYS 2000 database settings and configuration from PC to a specific controller highlight the controller then click on the Download button (figure 7-1-1-1-7)

7.1.7 Download Config to All (Local)

To download the current SECUSYS 2000 database from PC to all controllers which are connected to the PC click on the "Download Config to All (Local)" button (figure 7-1-1-1-7)

7.1.2 TCP/IP Setting

Clicking on the TCP/IP sub-menu item on the Setup, Hardware menu will open the TCP/IP search screen and searching for connected TCP/IP enabled SECUSYS hardware will commence automatically (figure 7-1-2-1)

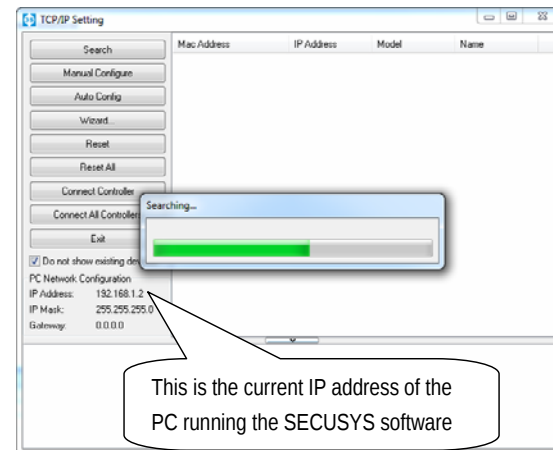


Figure 7-1-2-1

Any TCP/IP connected SECUSYS controllers or protocol converters found will be listed (figure 7-1-2-2). Included will be the MAC address, the IP address and the Model. If the controller or converter does not appear then uncheck the "Do not show existing devices" box. If it does still not appear then reset the controller (figure 7-1-2-3) or converter (dip switch 4 on the converter) to the factory default IP address of 192.168.1.100.

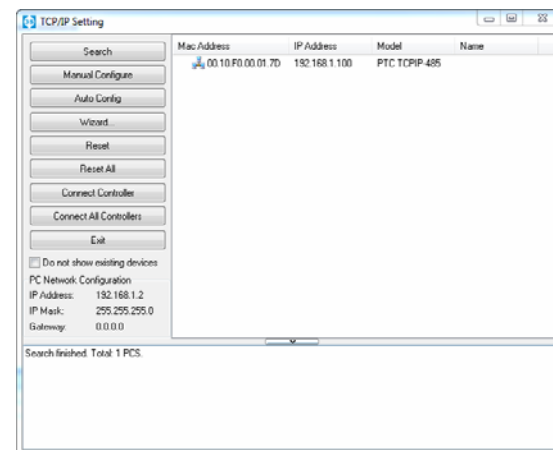


Figure 7-1-2-2

On the controller PCB board, near the blinking communication LEDs, there is a DIP Switch (S2) with 2 or more dip switches depending upon the model. DIP1 is Write Protect for the IP address. Make sure DIP1 is ON before configuring the IP address. DIP2 sets a fixed IP (factory IP) of 10.1.1.10 regardless the status of DIP1. Please make sure DIP2 is OFF. If the dip switches are changed, remember to power down the controller and power up again to read the new dip switch values

Figure 7-1-2-3

Once the controller or converter is found and listed in the TCP/IP settings screen, the software will remember the IP address and it will appear in the Search & Upload Controller screen (figure 7-1-2-4)

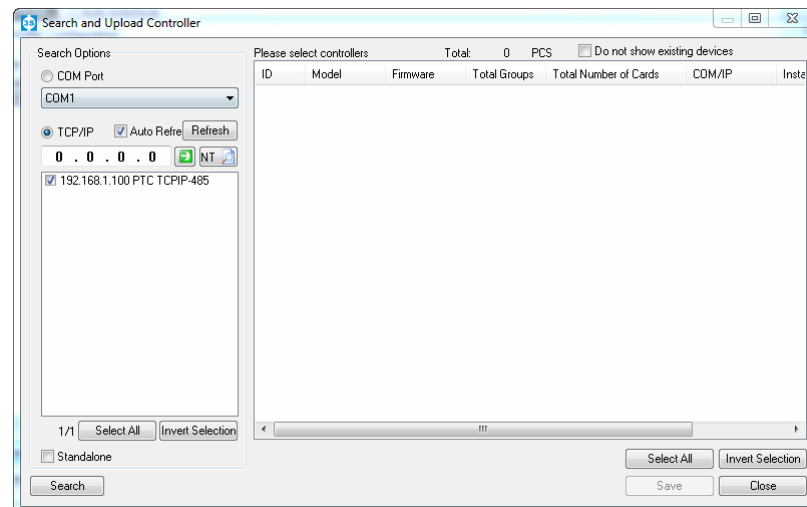


Figure 7-1-2-4

The TCP/IP settings screen (figure 7-1-2-2) can also be used to configure the IP address of the controller or converter and to change its host IP address. As a security feature the controller or converter will only communicate with a single IP address being the host IP and the PC that is running the SECUSYS software. Clicking on the "Manual Configure" button on the TCP/IP settings screen (figure 7-1-2-2) will open the secondary TCP/IP settings screen (figure 7-1-2-5). Change the IP and the Host IP addresses as required then click OK. Make sure that Dip Switch 1 on the converter is on so the converter can save the settings. If the dip switches are changed, remember to power down the converter and power up again to read the new dip switch values.

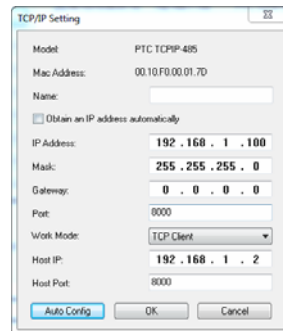


Figure 7-1-2-5

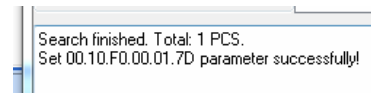


Figure 7-1-2-6

If the new addresses are saved to the converter then the “parameter successfully” saved message (figure 7-1-2-6) will appear at the bottom of the TCP/IP setting screen.

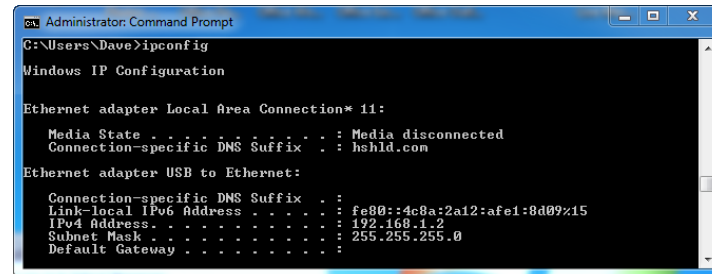
The TCP/IP settings screen (figure 7-1-2-2) has the following options:

- Search:** Search again for Mac addresses.
- Manual Configure:** Configuring the IP address manually by setting each of the parameters.
- Auto Configure:** SECUSYS 2000 will configure the IP address automatically.
- Wizard:** Starts the configuration wizard
- Reset:** Restart the converter module.
- Reset All:** Restart all the converter modules
- Exit:** Exit the dialog box.
- Connect Controller:** If the module client has been changed from the TCP Client default to TCP Server (see below) then this option is used to connect controller(s)
- Connect All Controllers:** See Connect Controller above

If the user selects Manual Configuration the TCP/IP dialog box will open (figure 7-1-2-5). An explanation of items in this box follows:

- Mac Address:** A unique identifier embedded in the network adapter (the TCP/IP module).
- Name:** Controller name which can be a maximum of 30 alpha-numeric characters.
- IP Address:** The IP address the controller will have.
- Mask:** The Network Subnet Mask
- Gateway:** The Default Gateway
- Port:** TCP/IP Port, can be between 1024-65535, default is 8000.
- Work Mode:** Normally set to TCP Client however for some special applications may need to be set to TCP Server. Only change on instructions from a SECUSYS engineer.
- Host IP:** The IP address of the PC which is connected to the controllers through TCP/IP.
- Host Port:** Can be between 1024-65535, default is 8000. Do not change this unless instructed by a SECUSYS engineer

If for some reason a TCP/IP enabled controller or converter cannot be found or will not come on line it is a good idea to try and ping the unit. Open the DOS (CMD) prompt and type “ipconfig”. The IP address of your PC will be displayed (figure 7-1-2-7). If multiple network adapters are being used then there will be more than one entry.



```
Administrator: Command Prompt
C:\Users\Dave>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection* 11:

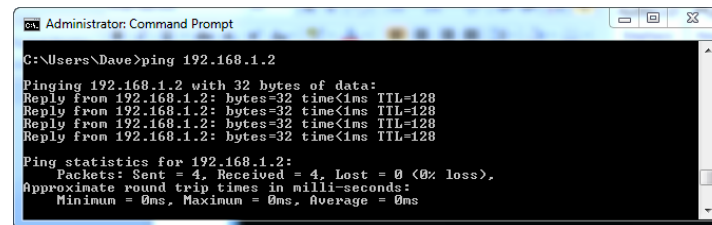
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : hshld.com

Ethernet adapter USB to Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::4c8a:2a12:afe1:8d09%15
    IPv4 Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :
```

Figure 7-1-2-7

Next type “ping and the adapter IP address, ie “ping 192.168.1.2” A reply message should appear 4 times. This is checking that the network adapter on the server PC is configured correctly (figure 7-1-2-8)



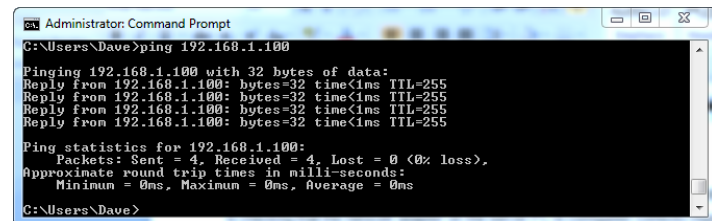
```
Administrator: Command Prompt
C:\Users\Dave>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Figure 7-1-2-8

Next type “ping and the controller or converter IP address, ie “ping 192.168.1.100” A reply message should appear 4 times. This is checking that the controller or converter has a TCP/IP connection to the computer. (figure 7-1-2-9).



```
Administrator: Command Prompt
C:\Users\Dave>ping 192.168.1.100

Pinging 192.168.1.100 with 32 bytes of data:
Reply from 192.168.1.100: bytes=32 time<1ms TTL=255
Reply from 192.168.1.100: bytes=32 time<1ms TTL=255
Reply from 192.168.1.100: bytes=32 time<1ms TTL=255
Reply from 192.168.1.100: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.1.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\Users\Dave>
```

Figure 7-1-2-9

If there is no reply then something is wrong. Either the IP address is on the wrong subnet or there is no physical connection to the controller or converter. Remedy this before attempting to search for or adding a controller.

If the host IP address in the Communication Configuration screen (figure 7-1-2-10) is anything other than 0.0.0.0 or the actual server PC IP address then there could be issues in getting TCP/IP controllers on line. What can happen is that the TCP/IP connected controllers will be found by using the TCP/IP settings screen but will not appear in the “Search & Upload Controller” screen. If there are any issues in getting TCP/IP controllers on line then make sure that this reads 0.0.0.0 or the actual server PC IP address.

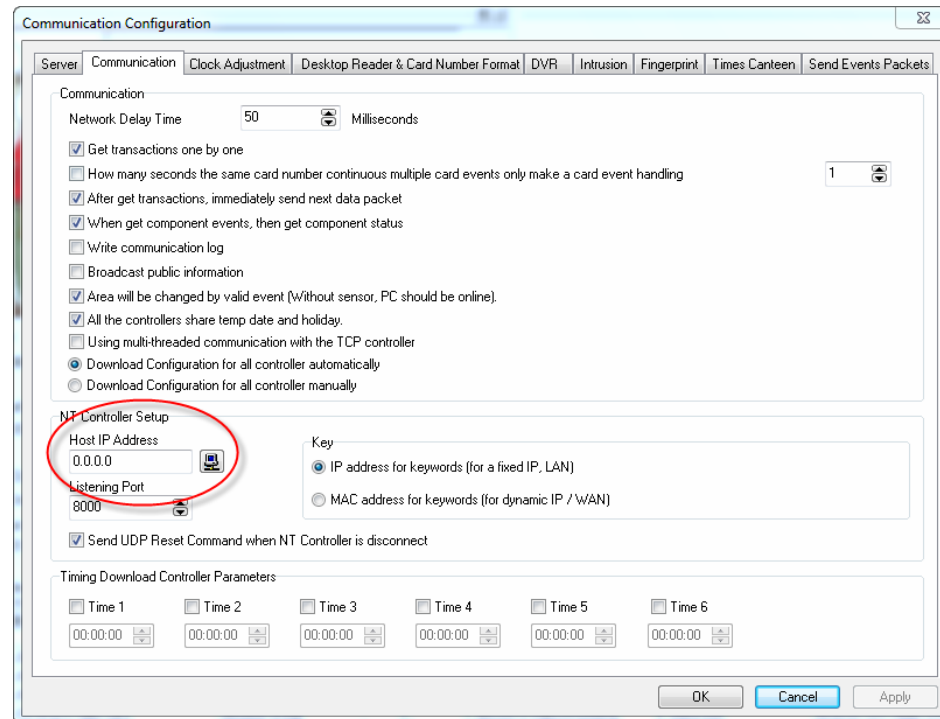


Figure 7-1-2-10

7.1.3 Search Controller

Clicking on the Search Controller sub-menu item on the Setup, Hardware menu will open the Search Controller screen. Note that this is the same screen as described in Section 7-1-1, Controller Configuration. Refer to “Searching for a Controller” under Section 7-1-1 for information on this option.

7.1.4 Door Configuration

Clicking on the Door Configuration sub-menu item on the Setup, Hardware menu will open the Door Configuration screen (figure 7-1-4-1). The Door Configuration screen consists of 6 tabs: Parameters, Door Status Time Table, Door Access Time Table, Personnel Access Level, Event Driver and Channel Mapping.

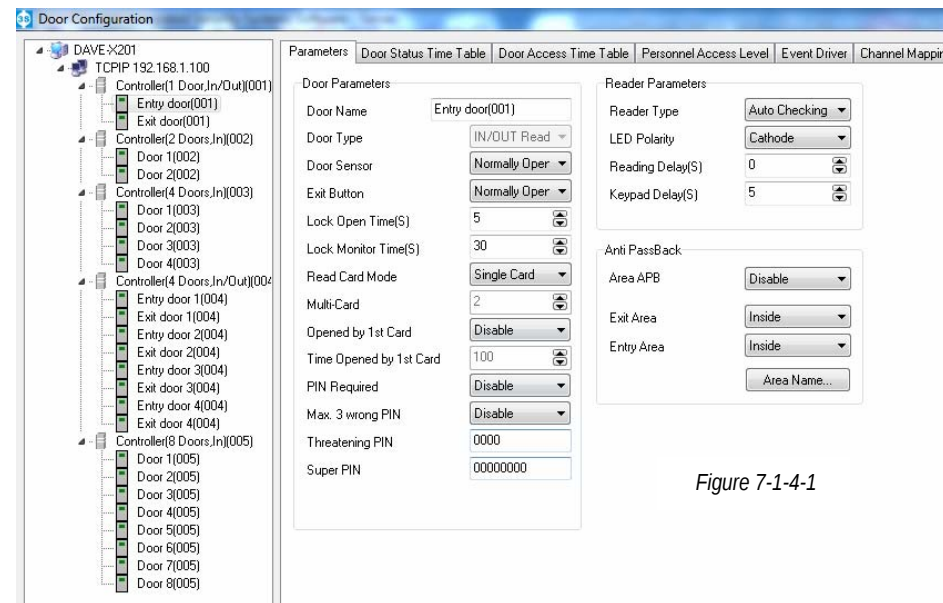


Figure 7-1-4-1

7.1.4.1 Parameters

Both Door and Reader parameters can be set up from within this screen.

Door Parameters This is where any general function related to a specific door is set up (figure 7-1-4-1). To commence setting up a door, first highlight the door from the list of controllers and doors on the left hand side. Once the specific door has been highlighted, the items for that door can be configured as follows:

Door Name:	Type the name of the door, ie Front Door
Door Type:	An IN reader only or an IN/OUT reader. (On some models this field will be preset)
Door Sensor:	Normally Open or Normally Closed
Exit button:	Normally Open or Normally Closed
Lock Open Time:	The relay unlock time, normally 5 seconds.
Lock Monitor Time:	The time before an alarm, normally 30 seconds. It is used to make sure that the door is not left open for a long time by putting an obstacle between the door and the door frame which prevents the door from closing.
Read Card Mode:	Single valid card or multiple valid cards needed for unlocking the door.
Multi Card:	The number of valid cards that need to be flashed for unlocking the door
Opened by 1st card:	Select Enable to have the door remain open after the 1st card of the day is flashed.
Time opened by 1st Card:	If the previous entry is Enabled, this field sets the number of seconds that the door will remain unlocked.
PIN Required:	Select Enable to enable door PIN access
Max. 3 wrong PIN:	If enabled and an incorrect PIN is entered 3 times, the software will delete the access level of the card
Threatening PIN:	A fixed duress PIN number for this door (4 digit PIN)
Super PIN:	If enabled, the door can be opened with a PIN only by entering *12345678# where 12345678 is the Super PIN.

Reader Parameters This is where any general function related readers are set up (figure 7-1-4-1).

Reader Type:	Normally Auto Checking
LED Polarity:	Normally Cathode
Reading Delay:	The shortest time interval between reading 2 different cards
Keypad Delay:	The shortest time interval between 2 digits being entered at a keypad
Area APB:	Select Enable for Area Anti Passback
Exit Area:	Exit Area for Anti Passback
Entry Area:	Entry Area for Anti Passback
Area Name:	Click this button to give an area an alpha numeric name.

Door configuration can be copied from one door to another on the same controller. There are 2 "Set All" buttons. The left hand "Set All" button copies only the tab that is open at the time. The right hand "Set All" copies all 5 tabs (figure 7-1-4-1-1)

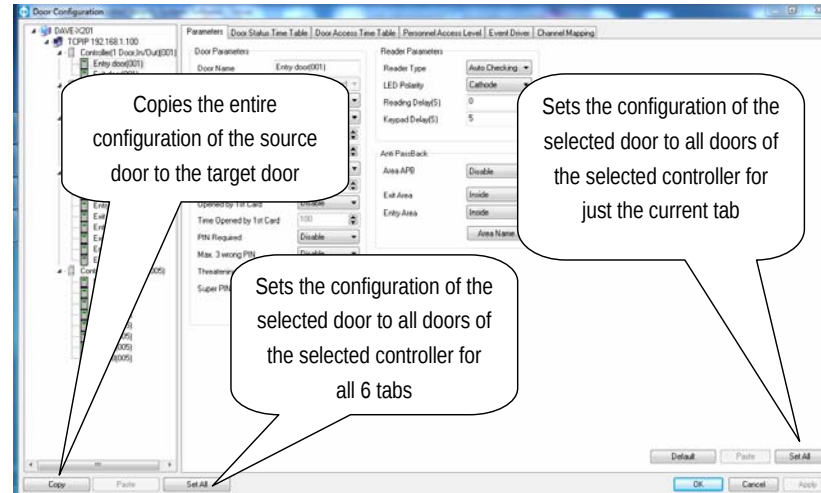


Figure
7-1-4-1-1

7.1.4.2 Door Status Time Table

This is where the Time Tables for a specific door are set up (figure 7-1-4-2-1). There are 15 available time tables per door.

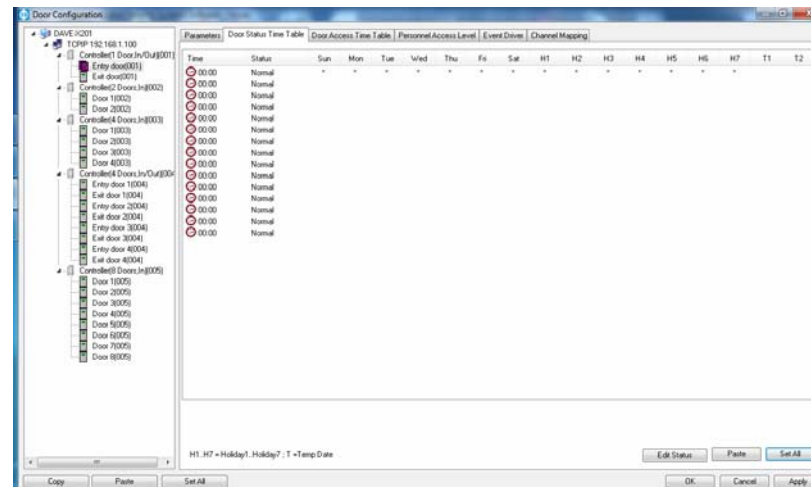


Figure
7-1-4-2-1

Highlight a Time Table then click on the “Edit Status” button to bring up the Status Time Set screen (figure 7-1-4-2-2). On this screen, the actual status for the door can be set up. Enter the Start Time then click on the arrow next to the Entry Status label to select a status. Options are:

Normal:	Door opens normally with the presentation of a valid card
Sleep:	The system is effectively asleep and will not read a valid card
Always Open:	The door is always open (unlocked)
Always Closed:	The door is always closed (locked) but can be unlocked with a super card
PIN:	Card and PIN required
APB:	Anti Passback

Figure 7-1-4-2-2

Tick the days of the week to apply the chosen status for. The H1-H7 boxes refer to the seven types of Holidays that can be set up (Section 7-2) and the T1-T2 boxes refer to the two types of Temporary dates that can be configured (Section 7-1).

7.1.4.3 Door Access Time Table

The Door Access Time Table (figure 7-1-4-3-1) sets the Time Tables for Door Access and is configured similarly to the Door Status Time Table (Section 7.1.4.2). At the Door Access Time Table the End Time is also configured. Each door can have up to 15 different Time Tables while each Time Table can have up to 7 different Time Zones. The Time Zone will set the days and time period for the door access (meaning valid cards can open this door during that time for example). Different Time Zones can have different days and hours.

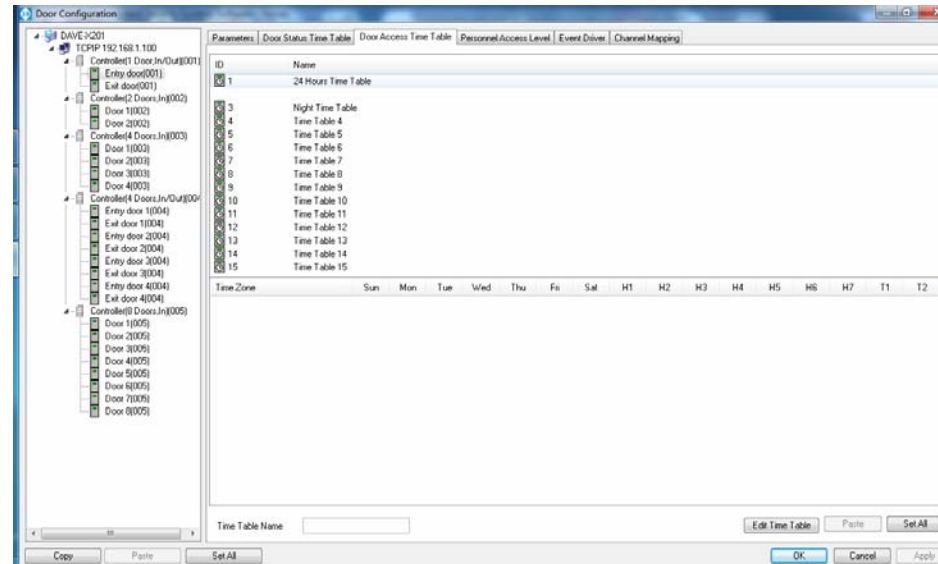


Figure 7-1-4-3-1

7.1.4.4 Personnel Access Level

Access levels (Time Table) can be set up within this screen (figure 7-1-4-4-1) by right clicking the value in the “Time Table” column. A user can also set up access levels using the Access Levels sub menu option on the Setup, Cards menu where access levels, departments, sub departments, and personnel can be copied and pasted.

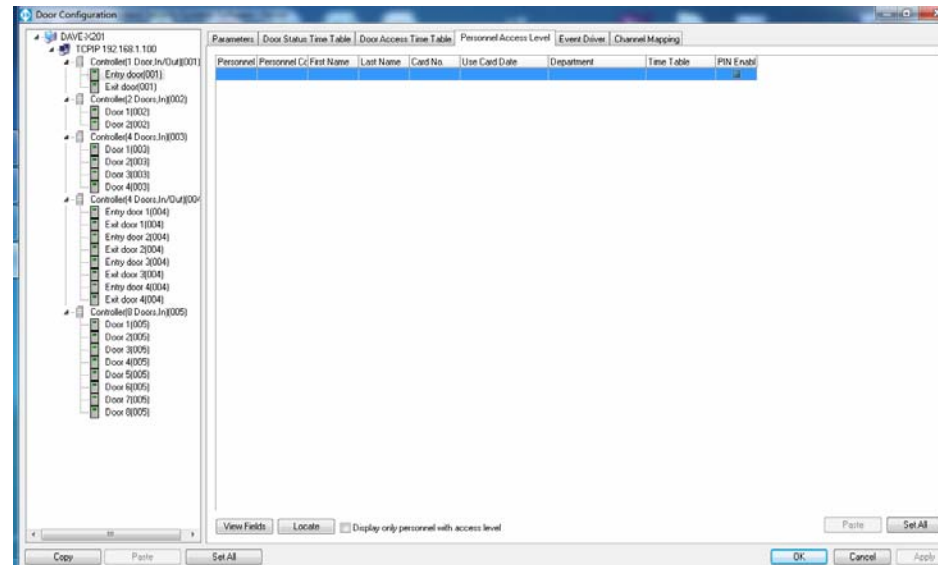


Figure 7-1-4-4-1

7.1.4.5 Event Driver

Events can initiate actions and these can be set up from within the Event Driver screen (figure 7-1-4-5-1)

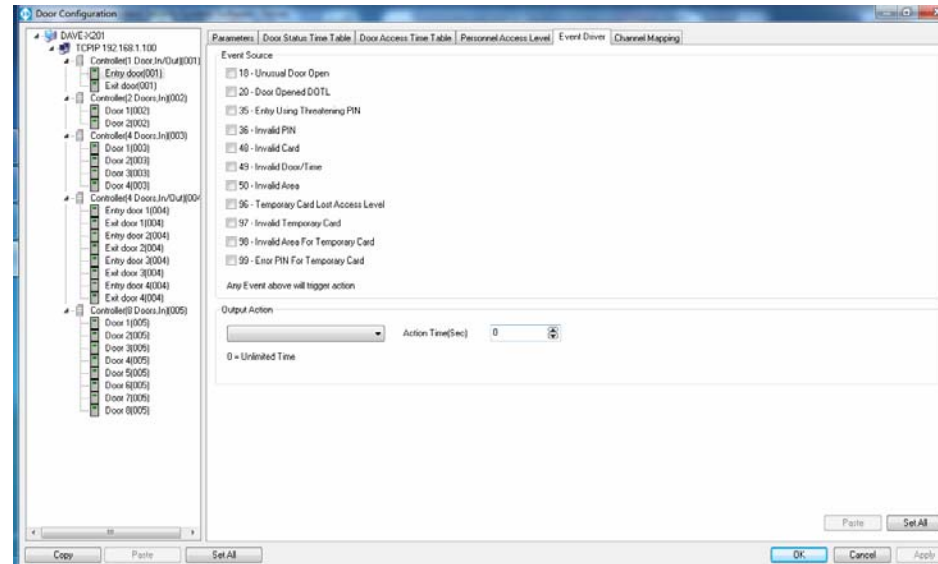


Figure 7-1-4-5-1

7.1.4.6 Channel Mapping

Channel Mapping (to be completed) (figure 7-1-4-6-1)

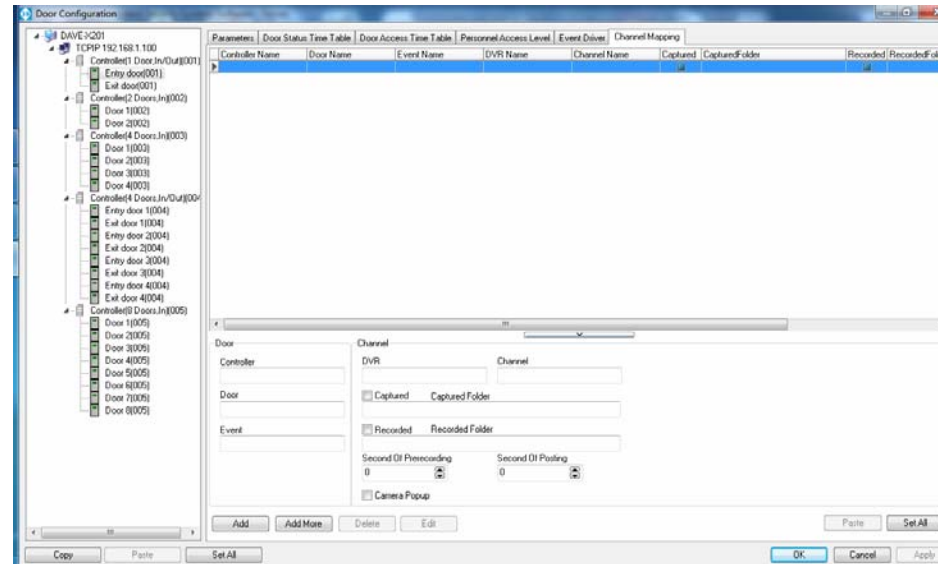


Figure 7-1-4-6-1

7.1.5 Reserved

(Previously Time & Attendance Controller)

7.1.6 Standalone Configuration

Clicking on the Standalone Configuration sub-menu item on the Setup, Hardware menu will open the Standalone Configuration screen (figure 7-1-6-1).

Figure 7-1-6-1

Note that a Standalone controller must have been added prior to using this menu item. If not an error message will be displayed (figure 7-1-6-2). If a red cross appears next to a previously added controller it mean that this controller is not currently connected to the software (figure 7-1-6-1)

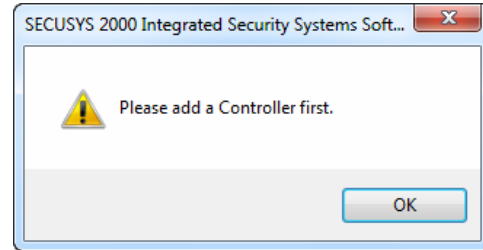


Figure 7-1-6-2

7.1.7 Controller Components

Clicking on the Controller Components sub-menu item on the Setup, Hardware menu will open the Controller Components screen (figure 7-1-7-1). A Controller Component is any of the controller components (Door, Lock, Door Sensor, Exit button, Aux Input, Aux Output or Reader). These components can be renamed by highlighting the Component, right clicking, then selecting Rename or alternatively clicking on the Rename button.

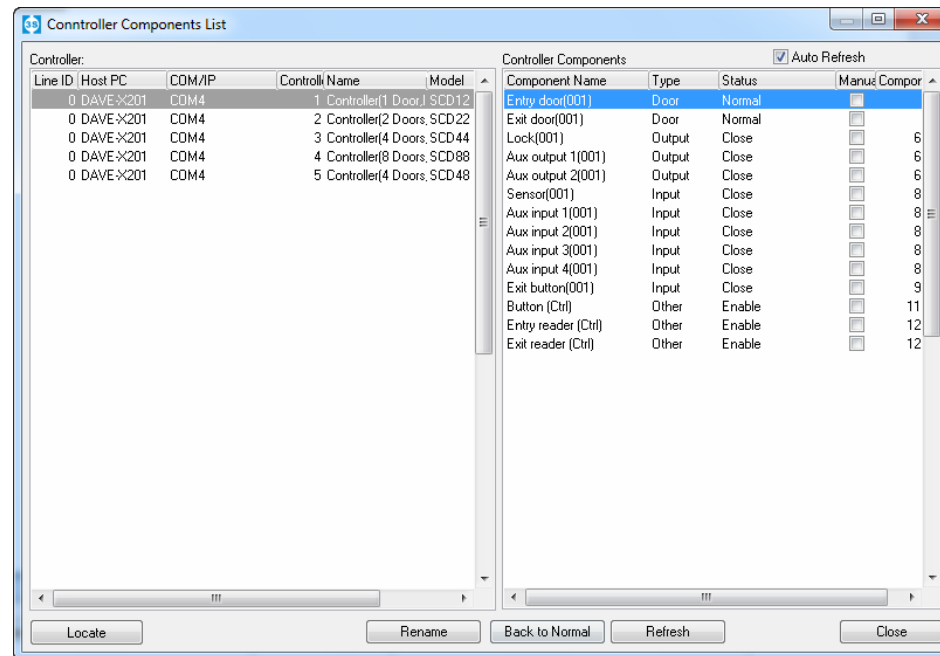


Figure 7-1-7-1

Depending upon the type of Component, other functions are available. For example highlighting on a door, then right clicking will bring up a menu that allows the user to force open the door manually. Right clicking on a door sensor allows the door status to be changed. (figure 7-1-7-2)

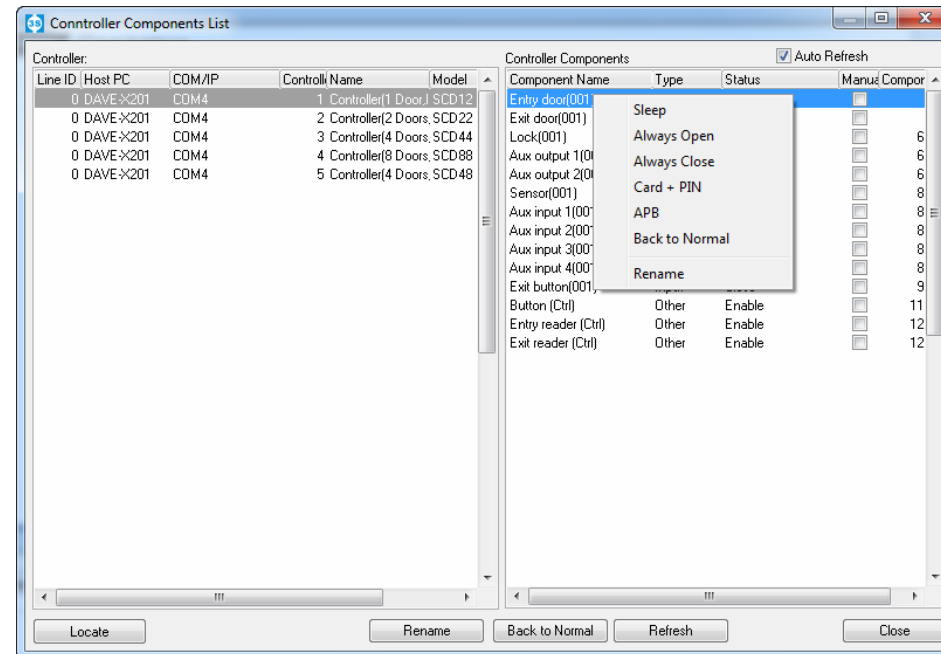


Figure 7-1-7-2

Using the Controller Manager or the Multi Site View allows similar control but with a more graphical and easier interface (Section 9.3).

7.1.8 Panel Configuration

This section is yet to be written

7.1.9 Search Panel

This section is yet to be written

7.1.10 Panel Components

This section is yet to be written

7.1.11 DVR Configuration

Before proceeding with the DVR configuration within the SECUSYS software, the DVR itself needs to be configured as follows:

1. Connect the DVR to the same network as the SECUSYS PC
2. Power up the DVR
3. Connect at least 1 camera
4. Open up the DVR management screen, Login (for the SECUSYS Series 2 DVR's login using "admin" as the user name and "888888" as the password)
5. Click "General" then "Network Setting" and set the IP address and the subnet mask. If it is to be routed through a gateway then enter the Default Gateway IP address otherwise leave it blank.
6. The default Port that SECUSYS software uses for communication with the DVR is 8101. Check the port on the DVR and change this to 8101 if it is something different.
7. Save the DVR settings. Note the confirmation message and also if there is an IP address conflict a message will appear.
8. On the host PC, open the CMD prompt and PING the DVR's IP address to make sure that it is responding

Once the DVR has been set up and replies to the PING message, go to the Setup Communication Configuration, Section 7.8.1 and make sure that the correct series of DVR is selected (figure 7-8-5-1).

Then click on the DVR Configuration sub-menu item on the Setup, Hardware menu to open the DVR Configuration screen (figure 7-1-11-1).

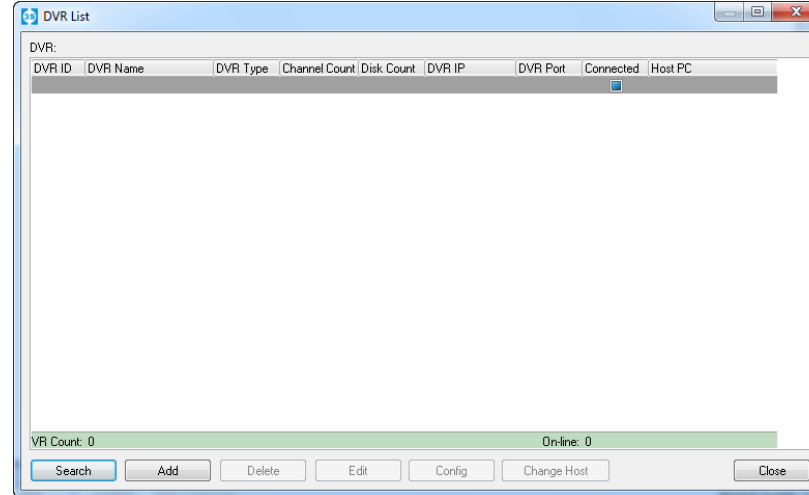


Figure
7-1-11-1

Click Search to bring up the Search DVR screen (figure 7-1-11-2) Enter the IP address of the DVR in the left hand panel or click local network. Make sure that the Port is the same as on the DVR. Enter the same user and password as in the DVR, (for the SECUSYS Series 2 DVR's the default user is "admin" and default password is "888888")

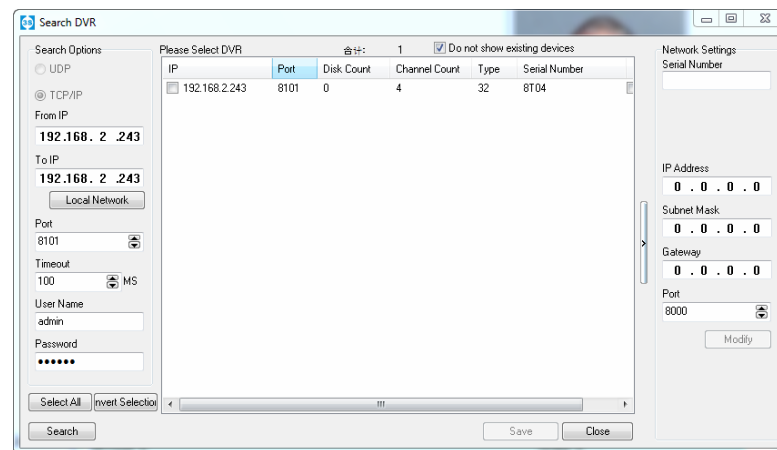


Figure
7-1-11-2

Once the DVR has been found, click the check box next to the IP Address and click the "Save" button. The DVR will now be listed in the DVR screen (figure 7-1-11-3)

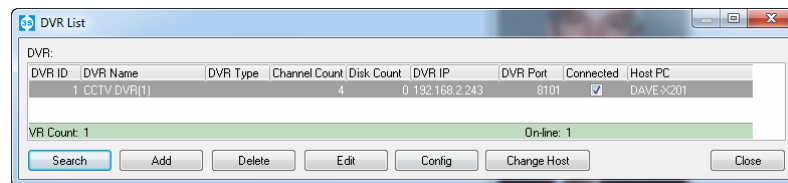


Figure
7-1-11-3

At the bottom of the DVR list there are additional buttons. The edit button opens the Edit CCTV DVR screen where the DVR can be given a name (figure 7-1-11-4)

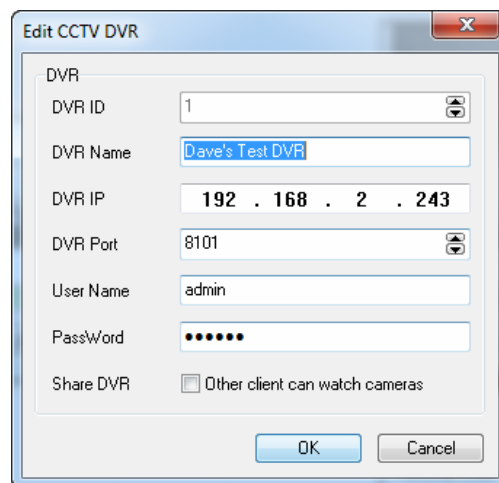


Figure 7-1-11-4

7.1.12 Search DVR

Clicking on the Search DVR sub-menu item on the Setup, Hardware menu will open the Search DVR screen directly (figure 7-1-11-2) instead of going via the DVR List screen (figure 7-1-11-1). Refer to section 7-1-11.

7.1.13 DVR Channels

Clicking on the DVR Channels sub-menu item on the Setup, Hardware menu will open the DVR Channels screen (figure 7-1-13-1). If the DVR has been configured correctly, found and saved then the DVR will appear in the left hand panel and the DVR camera channels will appear in the right hand panel.

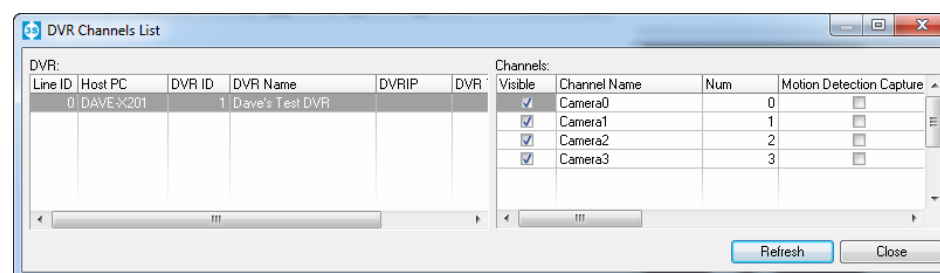


Figure 7-1-13-1

This screen is quite wide so the left hand panel can be minimized and the view scrolled to the right to see the available fields (figure 7-1-13-2)

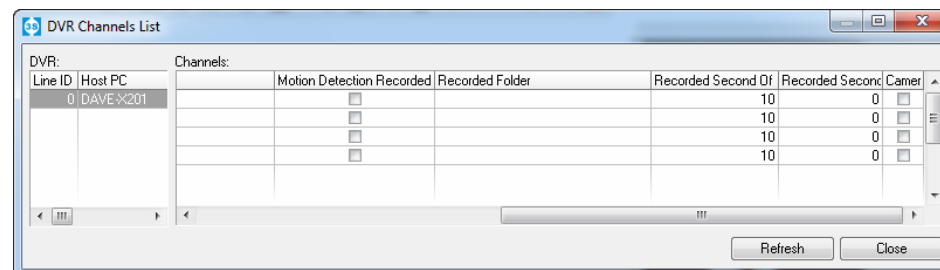


Figure 7-1-13-2

7.1.14 Channels to Doors/Zones Mapping

Clicking on the Channels to Doors/Zones Mapping sub-menu item on the Setup, Hardware menu will open the Channels to Doors/Zones Mapping screen (figure 7-1-14-1).

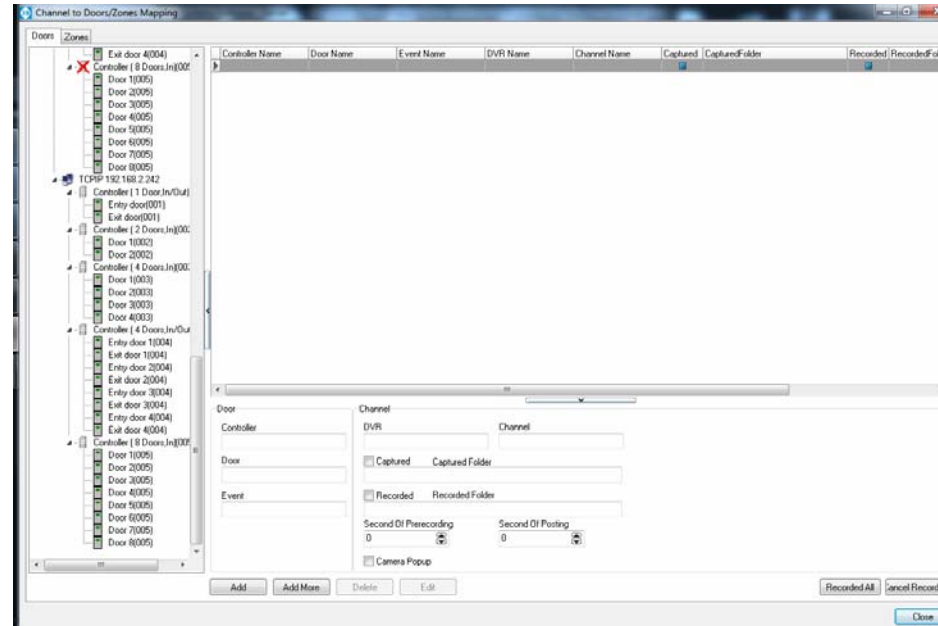
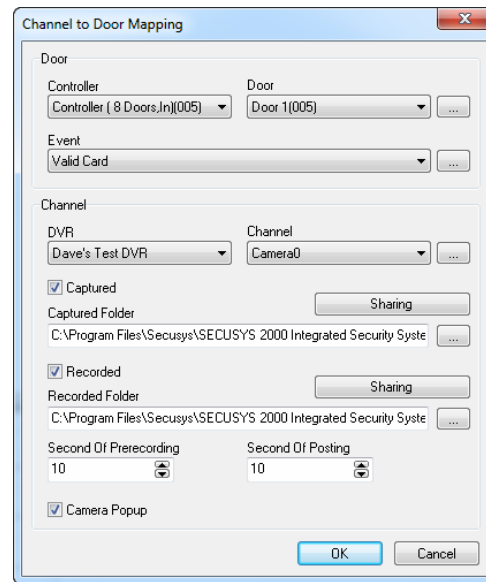


Figure 7-1-14-1

Click on the "Add" button to bring up the Channel to Door Mapping screen (figure 7-1-14-2)



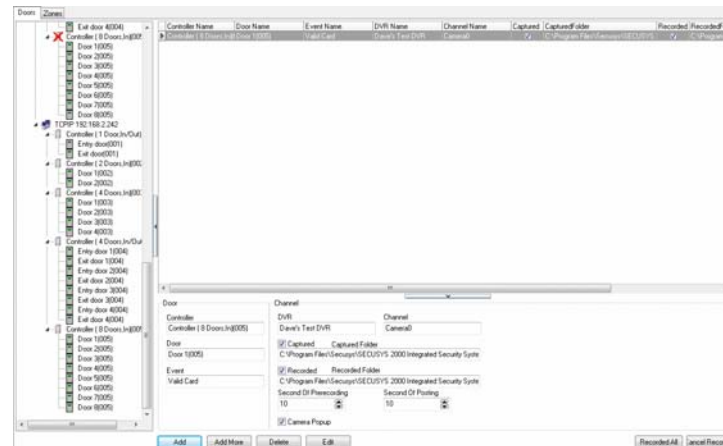
The 'Channel to Door Mapping' dialog box is used to configure the mapping between a door and a channel. It contains the following fields and options:

- Door Section:**
 - Controller:** Controller (8 Doors,In)005
 - Door:** Door 1(005)
 - Event:** Valid Card
- Channel Section:**
 - DVR:** Dave's Test DVR
 - Channel:** Camera0
 - ☒ **Captured:** Includes a 'Sharing' button and a folder path: C:\Program Files\Secusys\SECUSYS 2000 Integrated Security Syste...
 - ☒ **Recorded:** Includes a 'Sharing' button and a folder path: C:\Program Files\Secusys\SECUSYS 2000 Integrated Security Syste...
 - Second Of PreRecording:** 10
 - Second Of Posting:** 10
 - ☒ **Camera Popup**
- Buttons:** OK, Cancel

Figure 7-1-14-2

Enter the required details and click OK. In the above example for testing purposes a valid card event has been selected (figure 7-1-14-2)

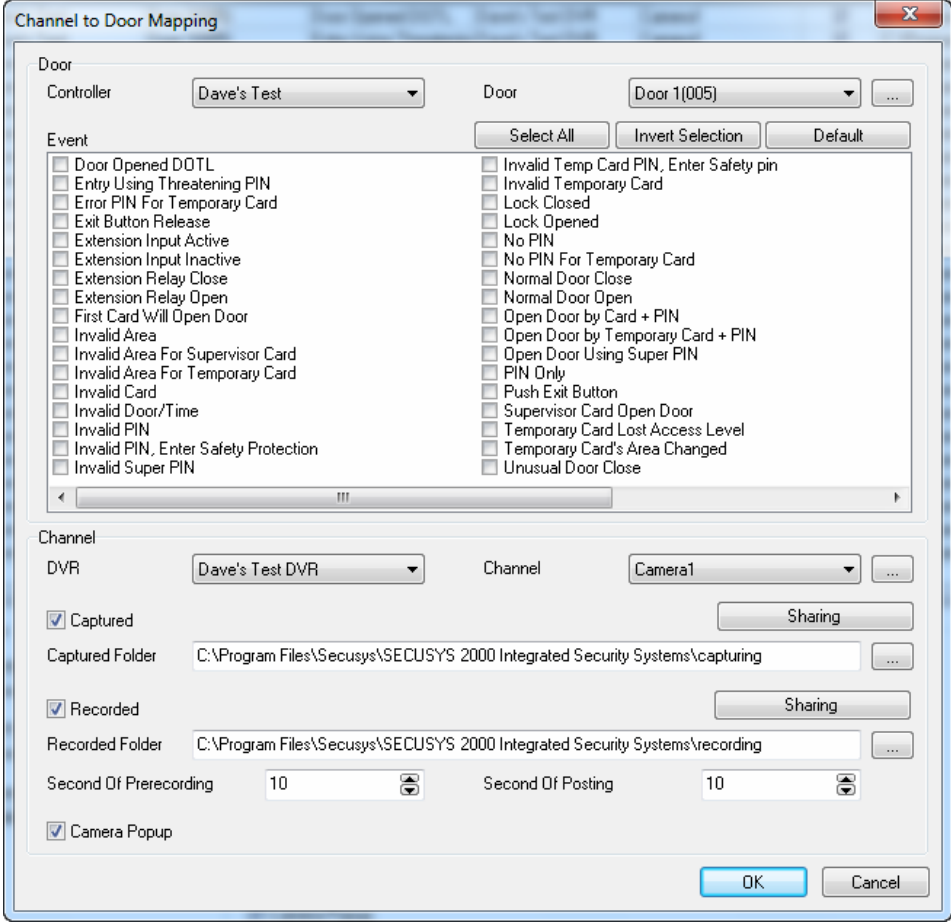
The entered data will now appear at the bottom of the main Channel to Doors Mapping screen and will also be listed in the main screen area (figure 7-1-14-3).



The main 'Channel to Doors Mapping' screen displays a list of doors on the left and a detailed configuration area on the right. The configuration area is identical to the dialog box in Figure 7-1-14-2, showing the mapping for Door 1(005) to Camera0 with a Valid Card event. The screen also includes buttons for 'Add', 'Add More', 'Delete', 'Edit', 'Recorded All', and 'Cancel Records'.

Figure 7-1-14-3

Click the “Add More” button to add additional events and the screen below will appear (figure 7-1-14-4). Tick the additional events that are required or click on the “Select All” button to add all events. Complete the controller, door, DVR and channel details then click OK..



The dialog box is titled "Channel to Door Mapping". It contains the following sections:

- Door Section:**
 - Controller: Dave's Test
 - Door: Door 1(005)
 - Buttons: Select All, Invert Selection, Default
 - Event List (checkboxes):
 - Door Opened DOTL
 - Entry Using Threatening PIN
 - Error PIN For Temporary Card
 - Exit Button Release
 - Extension Input Active
 - Extension Input Inactive
 - Extension Relay Close
 - Extension Relay Open
 - First Card Will Open Door
 - Invalid Area
 - Invalid Area For Supervisor Card
 - Invalid Area For Temporary Card
 - Invalid Card
 - Invalid Door/Time
 - Invalid PIN
 - Invalid PIN, Enter Safety Protection
 - Invalid Super PIN
 - Invalid Temp Card PIN, Enter Safety pin
 - Invalid Temporary Card
 - Lock Closed
 - Lock Opened
 - No PIN
 - No PIN For Temporary Card
 - Normal Door Close
 - Normal Door Open
 - Open Door by Card + PIN
 - Open Door by Temporary Card + PIN
 - Open Door Using Super PIN
 - PIN Only
 - Push Exit Button
 - Supervisor Card Open Door
 - Temporary Card Lost Access Level
 - Temporary Card's Area Changed
 - Unusual Door Close
- Channel Section:**
 - DVR: Dave's Test DVR
 - Channel: Camera1
 - Buttons: Sharing
 - Captured: ☒
 - Captured Folder: C:\Program Files\Secusys\SECUSYS 2000 Integrated Security Systems\capturing
 - Recorded: ☒
 - Recorded Folder: C:\Program Files\Secusys\SECUSYS 2000 Integrated Security Systems\recording
 - Second Of Prerecording: 10
 - Second Of Posting: 10
 - Camera Popup: ☒
- Buttons:** OK, Cancel

Figure 7-1-14-4

These additional events will now appear on the main channel to doors mapping screen (figure 7-1-14-5)

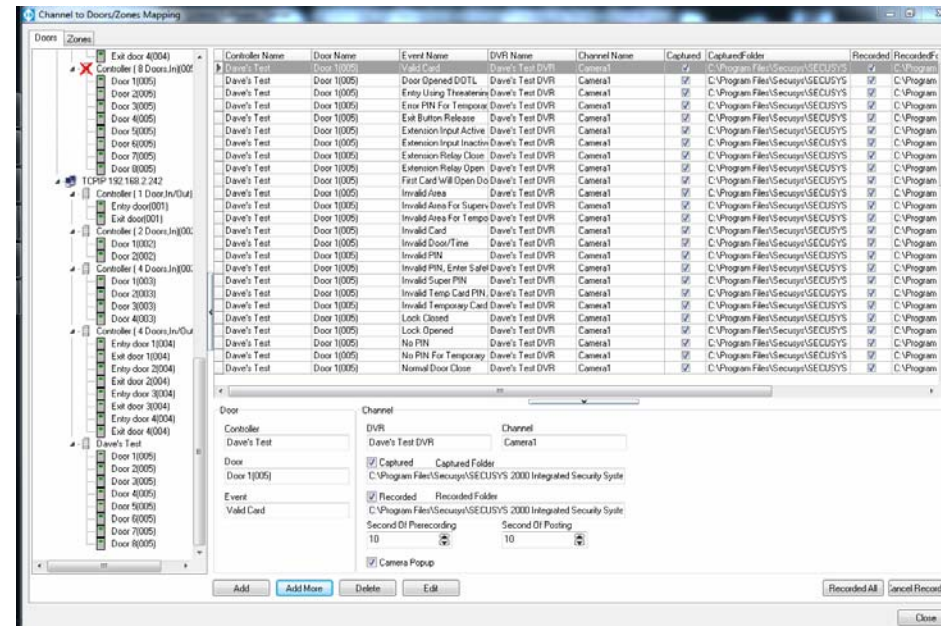


Figure 7-1-14-5

To check that the DVR is set up correctly go to the Monitor menu and select CCTV Camera Preview. In the right hand panel make sure that the Camera tab is selected then double click on the PC at the top to refresh the screen. The DVR images should appear (figure 7-1-14-6)

Also now that the DVR is set up the operator can go to the Monitor Menu and show the Personal Photo Viewer. Once the Personal photo viewer window is showing, badge a card at the reader for the door and controller specified above and the camera image will appear in the right hand panel (figure 7-1-14-7)

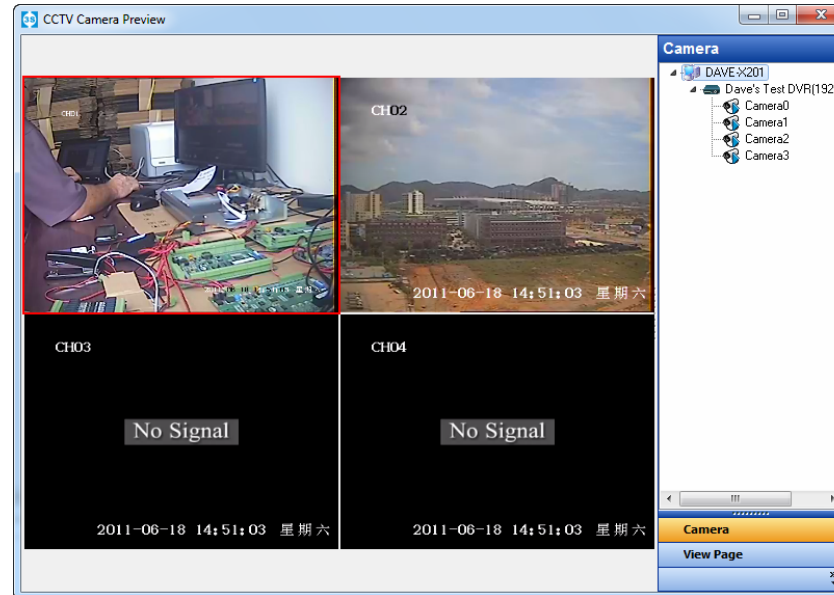


Figure
7-1-14-6



Figure
7-1-14-7

7.1.15 Finger Print Reader

Clicking on the Finger Print Reader sub-menu item on the Setup, Hardware menu will open the Finger Print Reader List screen (figure 7-1-15-1). However before proceeding with this make sure that the FingerPrint Communication Parameters have been set up first (figure 7-8-7-1) Refer section 7.8.7. Also the FingerPrint drivers need to have been loaded as part of the SECUSYS 2000 software installation process and the hardware key needs to be configured to allow access to the FingerPrint Module. Click 'Add' (figure 7-1-15-1) to add a FingerPrint Reader and the Search & Add Fingerprint Reader screen will appear (figure 7-1-15-2)

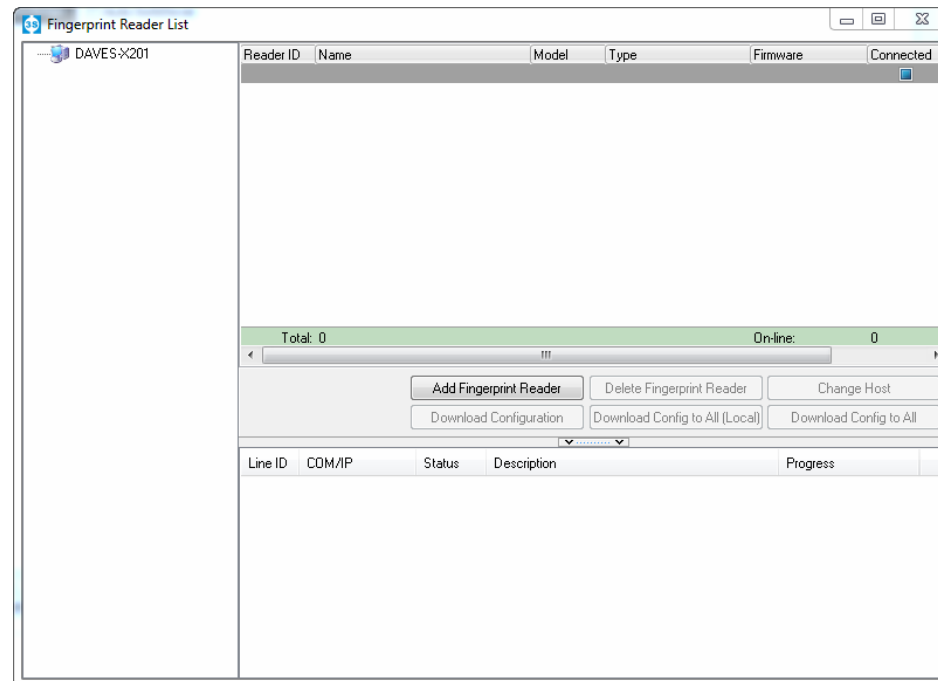


Figure 7-1-15-1

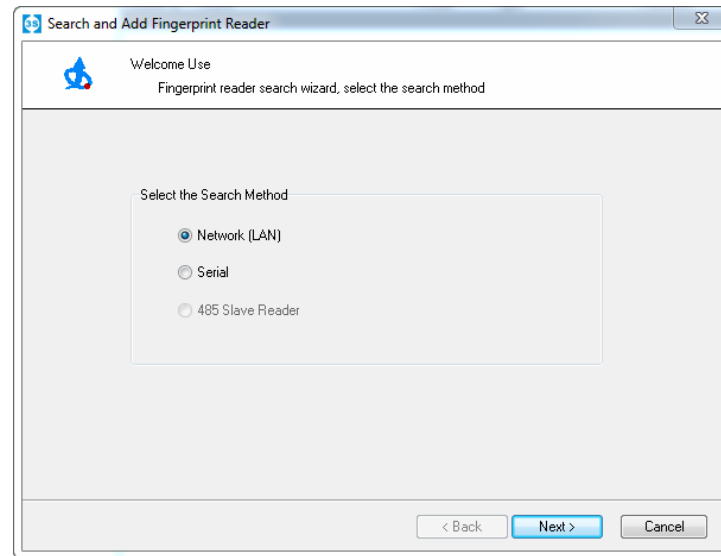


Figure 7-1-15-2

Click the "Next" button to proceed to the Select Network Parameters screen (figure 7-1-15-3). Tick the TCP box if a TCP/IP unit is connected, select the type of FingerPrint reader from the drop down menu then click "Next".

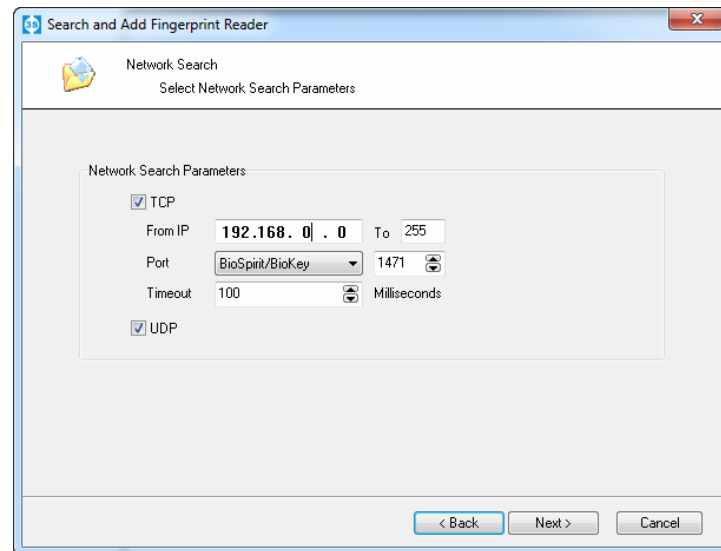


Figure 7-1-15-3

Any connected readers will be found (figure 7-1-15-4). Click “Stop” then “Next” to proceed to the next step (figure 7-1-15-5)

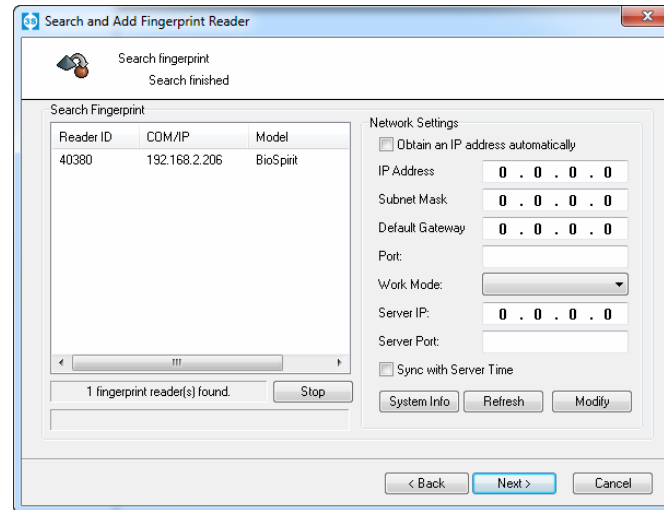


Figure 7-1-15-4

Tick the checkbox then click “Save” to save the selected reader (figure 7-1-15-5)

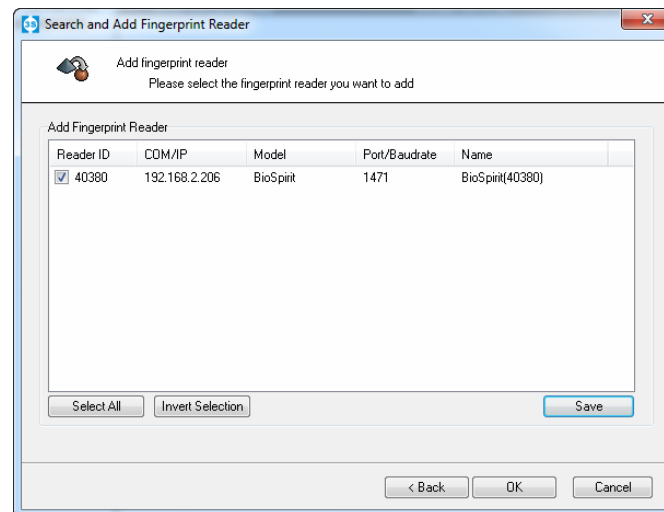


Figure 7-1-15-5

The saved successfully screen will appear (figure 7-1-15-6). Click ok to proceed.

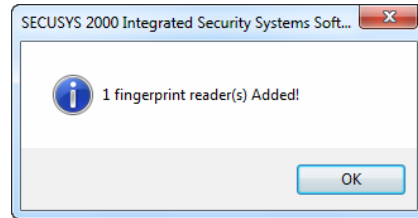


Figure 7-1-15-6

7.1.16 LED Screen

Clicking on the LED Screen sub-menu item on the Setup, Hardware menu will open the LED screen window (figure 7-1-16-1). This screen is used to set up an external, serial or TCP/IP connected LED display screen. Click the “Add” button to add a LED screen (figure 7-1-16-2)

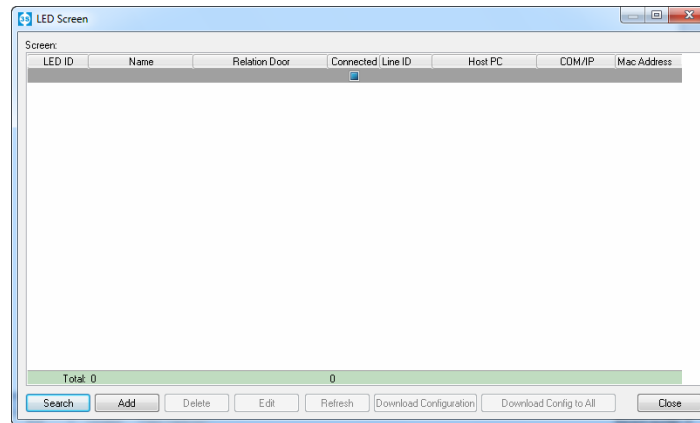


Figure 7-1-16-1

Complete and save the required parameters (figure 7-1-16-2)

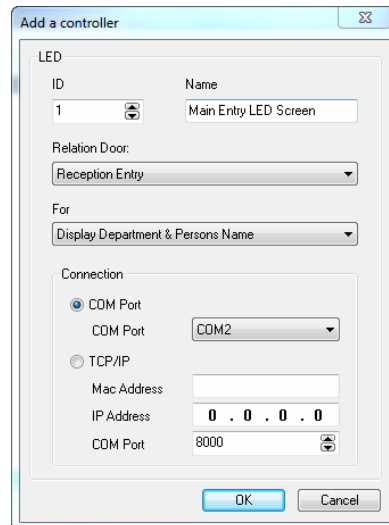


Figure 7-1-16-2

7.2 Cards

Clicking on the Setup, Card menu item will bring up the Card menu (figure 7-2-1)

7.2.1 Card List

The 1st item on the card menu list is the Card List, sometimes called a Card Register or a Card Store. This Card List contains all the cards that have been entered into the database. No cards are currently in this database (figure 7-2-1-1)

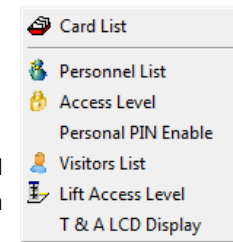


Figure 7-2-1

A card must be entered into the Card List before it can be allocated to a person) or will be entered automatically while allocating it to a person. Cards can be entered individually or in a bulk as a group. Cards can also be deleted using this screen. Note that there are 3 tabs, normal system cards, temporary cards and emergency cards.

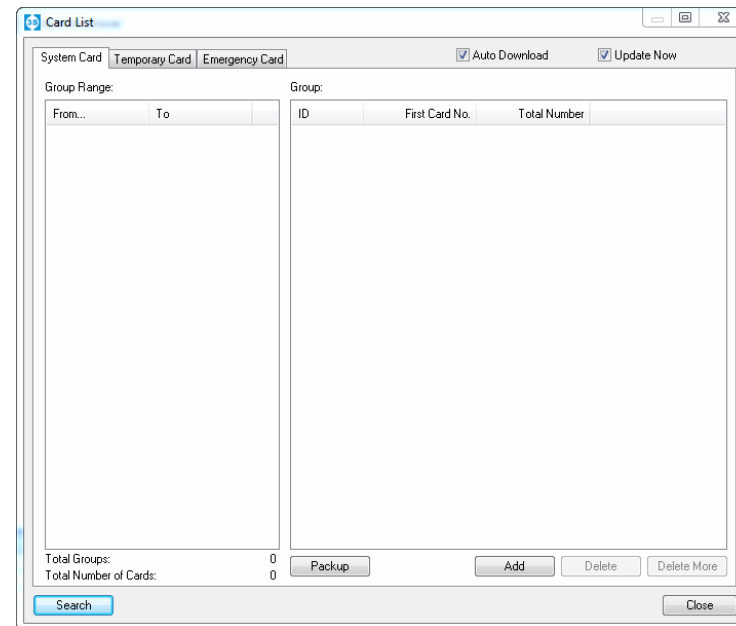


Figure 7-2-1-1

7.2.1.1 Adding a Card

Up to 30,000 cards can be added to the SECUSYS C Series controllers. The way a card number is handled by the SECUSYS C Series controllers is different to most access control systems. Instead of the traditional method of using a site or facility code followed by a card number, the electronic card number is read as a single string.

This allows multiple card formats to be used on the same controller. This also means that cards entered into the SECUSYS 2000 software are unlikely to have the same card number as appears on the card. See the Wiegand Format Setup Section 7.6 for more information on how card numbers are handled by the system. To add a card click on the "Add" button on the card list screen (figure 7-2-1-1). The "Add a new group of cards" screen will appear (figure 7-2-1-1-1) will appear. There are now three options available for the user to add a card to the Card List.

The 1st option is to type the card number directly into the box adjacent to the "Start Card No" label. The card number can be easily found by presenting the card at a reader then reading the number off the "Events Monitor" screen under the "Monitor" menu.

The 2nd option is to tick the "Retrieve Card Number From Desktop Reader" box and present the card at a desktop reader that has been connected to the PC communication port. This port is specified under the Setup, Communication Configuration, Desktop Reader tab (Section 7.8.4).

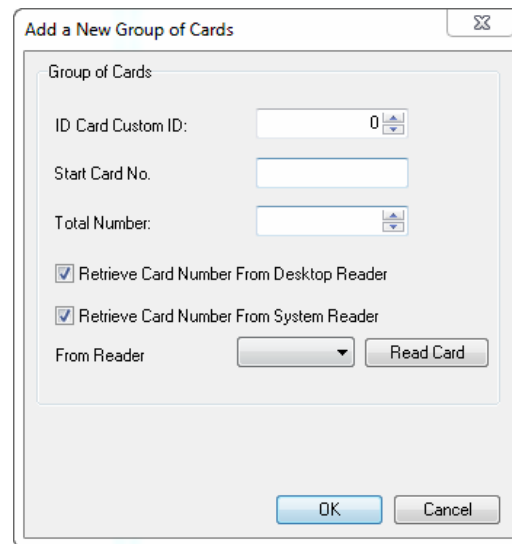
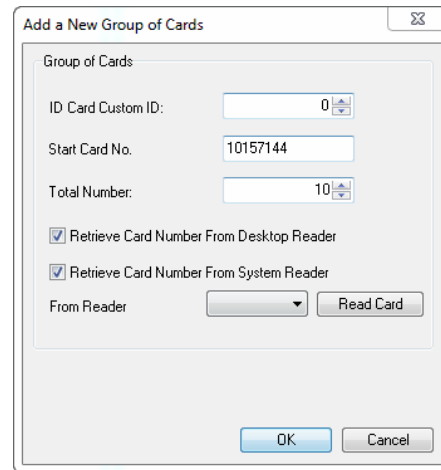


Figure 7-2-1-1-1

The 3rd option is to tick the "Retrieve Card Number From System Reader" box and present the card at a valid access control reader. Note that any access control reader can be used; there is no requirement to use a specific access reader.

If you would like to add only 1 card "Total Number" should be 1. If you would like to add 10 cards with a increasing sequential number enter 10 in the "Total Number" box then click "OK". Once adding cards is complete click on the cancel button (figure 7-2-1-1-2).



Add a New Group of Cards

Group of Cards

ID Card Custom ID: 0

Start Card No. 10157144

Total Number: 10

☒ Retrieve Card Number From Desktop Reader

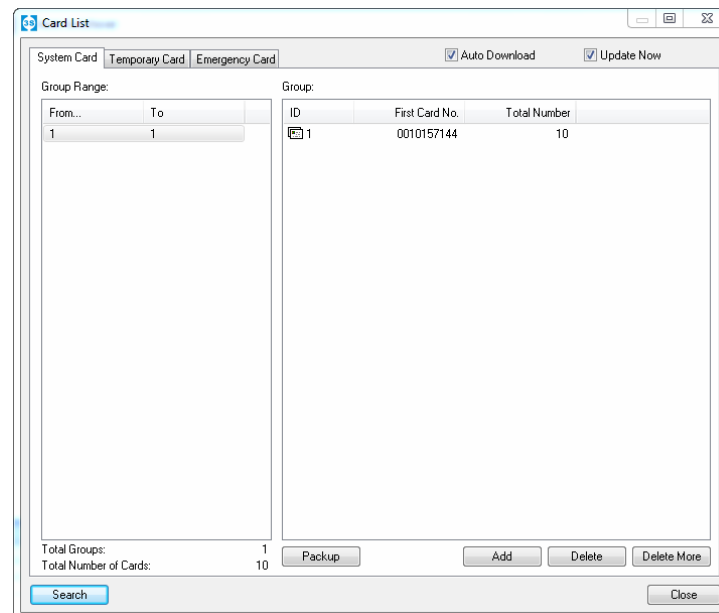
☒ Retrieve Card Number From System Reader

From Reader Read Card

OK Cancel

Figure 7-2-1-1-2

The 10 cards will now appear in the Card List as ID 1 with the 1st card number listed (figure 7-2-1-1-3).



Card List

System Card Temporary Card Emergency Card ☒ Auto Download ☒ Update Now

Group Range: From... To
1 1

Group:

ID	First Card No.	Total Number
1	0010157144	10

Total Groups: 1
Total Number of Cards: 10

Packup Add Delete Delete More

Search Close

Figure 7-2-1-1-3

If the following error message appears it means that the user attempted to add a card or cards without entering

the number of cards in that particular batch (figure 7-2-1-1-4)

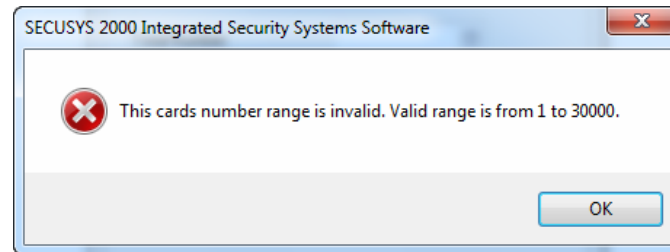


Figure 7-2-1-1-4

Entering cards in a batch is a very easy way to enter a huge number of cards easily. However there is one disadvantage in that a single card if lost or stolen cannot be deleted from the Card List. It can be given an Access Level of “no access” so from a security point of view there is no problem, however it cannot be deleted from the card list and will stay there forever. Cards can also be entered individually with the number of cards as 1 (figure 7-2-1-1-5). This way a single card can be deleted from the card list if required.

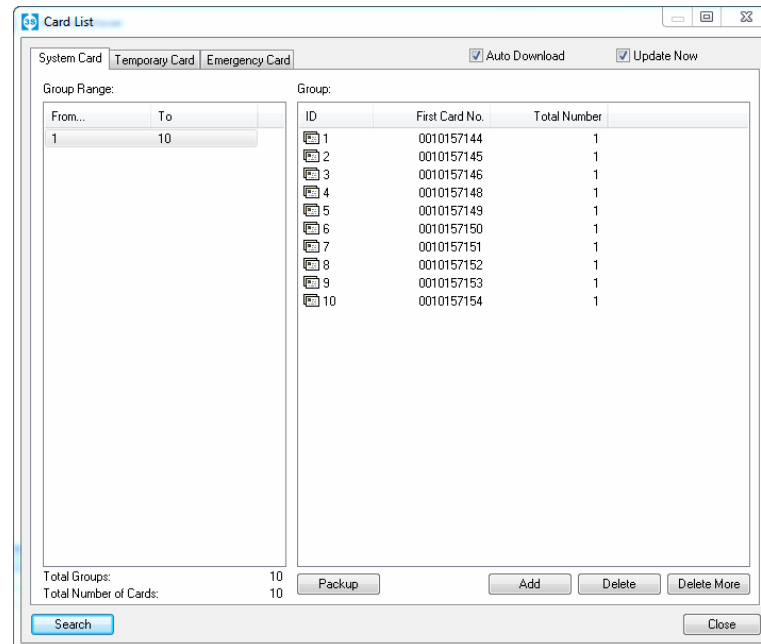


Figure 7-2-1-1-5

7.2.1.2 Deleting a Card

To delete a group of cards from the Card List, highlight the card, then click on the “Delete” key. Click “Yes” to accept the confirmatory question (figure 7-2-1-2-1) Note that in this case a Group can actually be a single card if it has previously been added as a single card.

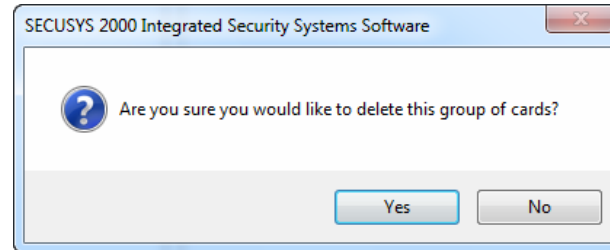


Figure 7-2-1-2-1

You may also delete several groups of cards by clicking “Delete More” entering the range of card groups (figure 7-2-1-2-2).

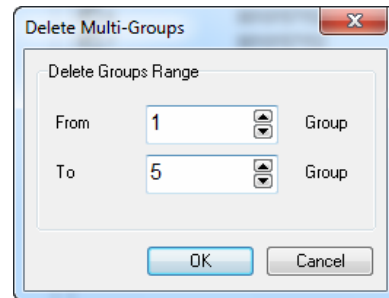


Figure 7-2-1-2-2

7.2.1.3 Temporary Card List

The SECUSYS C series of access controllers can support up to 500 temporary cards. To access the Temporary Card List click on the Temporary Card tab under Setup, Cards, Card List menu. The Temporary Card List screen will appear (figure 7-2-1-3-1).

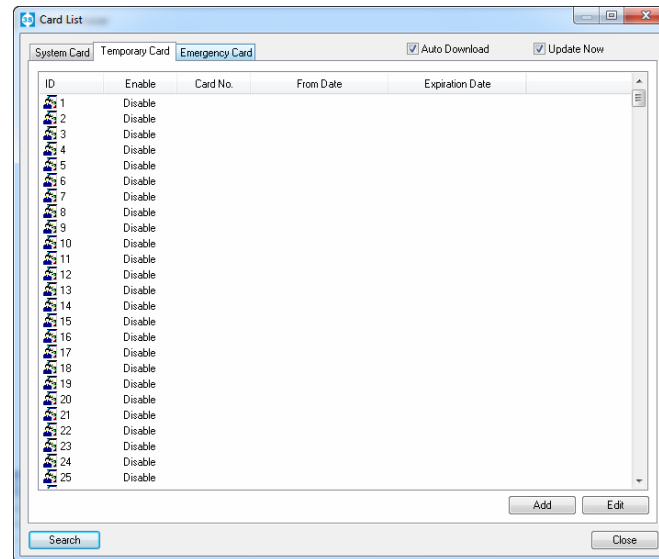
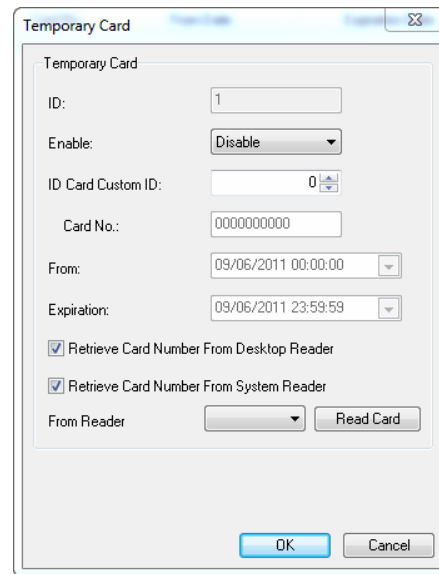


Figure 7-2-1-3-1

Enable a card by clicking the “Add” button on the Temporary Card tab (figure 7-2-1-3-1). A Temporary Card screen (figure 7-2-1-3-2) will appear.

Click on the “Enable” drop down menu (figure 7-2-1-3-2), select “Enable”, allocate a card number (Section 7.3.1), enter From time/date, an Expiration time/date then click “OK”. Note that this process only adds a temporary card to the Temporary Card List; it still needs to be allocated to a person (Section 7.2.2) Once allocated, a Temporary Card record may be edited. Highlight the record then click the “Edit” button (figure 7-2-1-3-1) The Temporary Card List can be used for the Visitors List (Section 7)



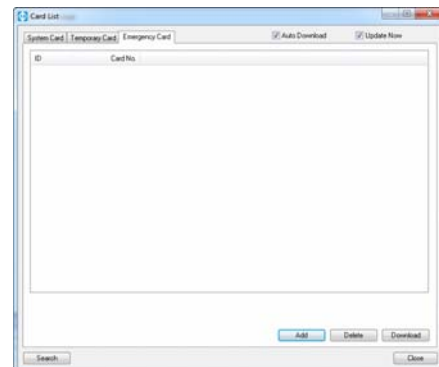
The 'Temporary Card' dialog box contains the following fields and controls:

- ID:** A text box containing the value '1'.
- Enable:** A dropdown menu currently set to 'Disable'.
- ID Card Custom ID:** A text box containing the value '0'.
- Card No.:** A text box containing the value '0000000000'.
- From:** A date/time dropdown menu showing '09/06/2011 00:00:00'.
- Expiration:** A date/time dropdown menu showing '09/06/2011 23:59:59'.
- ☒ **Retrieve Card Number From Desktop Reader**
- ☒ **Retrieve Card Number From System Reader**
- From Reader:** A dropdown menu.
- Read Card:** A button.
- OK** and **Cancel** buttons at the bottom.

Figure 7-2-1-3-2

7.2.1.4 Emergency Card List

The SECUSYS Version 4.0 and above C series of access controllers can support up to 10 Emergency Cards per controller. Note that the V3.5 Economical range of controllers do not support this function. To access the Emergency Card List click on the Temporary Card tab under Setup, Cards, Card List menu. The Emergency Card List screen will appear (figure 7-2-1-4-1).



The 'Emergency Card List' screen features a tabbed interface with 'System Card', 'Temporary Card', and 'Emergency Card' tabs. The 'Emergency Card' tab is active. At the top right, there are checkboxes for 'Auto Download' and 'Update Now'. The main area is a large empty table with columns labeled 'ID' and 'Card No.'. At the bottom, there are buttons for 'Add', 'Delete', 'Download', 'Search', and 'Close'.

Figure 7-2-1-4-1

Click the “Add” button to add an emergency card (figure 7-2-1-4-2). Emergency cards are used for emergency purposes if for any reason the controller goes off line and the data is corrupted. An emergency card cannot be a normal access card. An emergency card can open any door at any time so there is no need to set up access levels.

Figure 7-2-1-4-2

Note that when using an emergency card the software will read “Invalid Card” however the door will still unlock (figure 7-2-1-4-3)

Auto ID	Time	Event Name	Site Name	Line ID	Controller	Controller Name	Door ID	Door Name	Card No.	Department	Personnel	Personnel
1056	4/07/2011 4:36:05 p.m.	Invalid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0006895615		0	
1055	4/07/2011 4:35:48 p.m.	Invalid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0006895615		0	
1054	4/07/2011 4:35:30 p.m.	Invalid Card	Secusys Group	5	25	Controller(8 Doors,In/Out	1	Door 1025	0006895615		0	
1053	4/07/2011 4:35:22 p.m.	Invalid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0006895615		0	
1052	4/07/2011 4:35:18 p.m.	Invalid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0006895615		0	
1051	4/07/2011 4:33:38 p.m.	Valid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0010157151	Head Office	6	
1050	4/07/2011 4:33:36 p.m.	Valid Card	Secusys Group	5	25	Controller(8 Doors,In/Out	1	Door 1025	0006895086	Head Office	13	
1049	4/07/2011 4:33:28 p.m.	Invalid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0010157144		0	
1048	4/07/2011 4:33:25 p.m.	Valid Card	Secusys Group	7	24	Controller(4 Doors,In/Out	1	Entry door 1024	0010157146	Head Office	5	

Figure 7-2-1-4-3

7.2.2 Personnel List

Clicking on the Personnel sub-menu item on the Setup, Card menu will open the Personnel screen window (figure 7-2-2-1). The Personnel List is where the main user information is entered. All the individual personnel information can be found in this screen. Personnel can be added, modified or deleted. From this screen Personnel records can also be exported as Excel, Text, Html or MS-Word file formats.

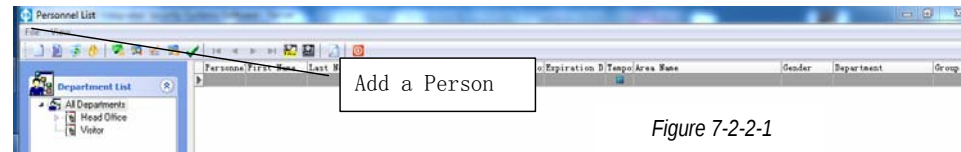


Figure 7-2-2-1

7.2.2.1 Adding a Person

To add a person click File, Add or click on the Add a Person icon (figure 7-2-2-1). Adding a person will bring up the Personal Information screen which consists of 5 tabs, Basic Information, Card, Access Level, Lift Access Level and Fingerprint. From within these 5 tabs all employee information can be set up. (figure 7-2-2-1-1)

Basic Information Tab

Complete the information required for the basic information including a photo then move to the next tab.

Figure 7-2-2-1-1

Navigate to a folder on the computer where the images are stored or double click on the picture area to take a picture from a web or digital camera

Card Tab

If the user has an access card then tick the “Use Access Card” box. Not all users will have access cards, for example a Time & Attendance user may or may not have an access card. Allocate the user a card by either clicking on the card list and selecting a previously added card, or, tick one or two of the Retrieve Card Number boxes then badge the card on either a desktop or system reader. The card number will appear (figure 7-2-2-1-2)

If the operator wishes to use a card already entered into the card list then highlight a group of cards (or a single card) in the left hand panel of the card list (figure 7-2-1-1-5) then select a single card from the resulting cards that are listed in the right hand panel. If no cards are listed in the right hand panel, it means that all cards in the Card List have already been issued to other personnel.

Personnel Information

Basic Information | **Card** | Access Level | Lift Access Level | TA LCD Display | Fingerprint

☒ Use Access Card

Card Info

Card No.: 0010157145 Card List

ID Card Custom ID: 0 From Reader Read Card

Expiration Date: 27/05/2012 Retrieve Card Number From Desktop Reader Retrieve Card Number From System Reader

PIN

PIN ID: 0001 Automatically Personal PIN Enabled

Access Properties

☐ First Card of the Day Opens the Door for a longer time

☒ Area Limited If the APB is active, the Personnel will

☐ Super-Card Can open any Door anytime

Current Area

Current Area: Outside

Balance: 0

Balance: 0

OK

For Doors where “Opened by First Card” is Enabled

For Doors where “Area APB” is Enabled

The card will open any door, however if a PIN is required the user must enter it

Setting the current area the user starts from when using Time & Attendance

If a PIN number is required then a PIN number ID can be automatically entered by the system if the Automatic box is clicked. Allocate a PIN number then click on the Personal PIN enabled box to bring up a list of doors. Click the doors where this PIN number will operate then click “OK” (figure 7-2-2-1-3)

The SECUSYS 2000 software allows the user 2 ways of using a PIN number. The first is a valid card flash +

PIN + ENT (the # button on the reader). The door must be configured to require a PIN when a card is flashed (see section 7.1.4.1 PIN Required: Enable). The second is using a PIN only. Clicking the “Personal PIN Enabled” button will allow the user to use their “Personal PIN”. With a Personal PIN the person can open a door by just entering ESC, their up to 4 digit PIN ID, their 4 digit PIN then # or the enter button.

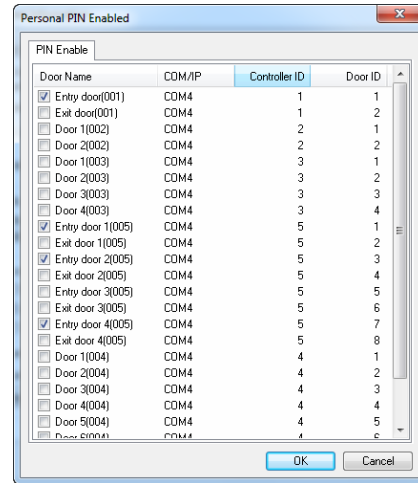


Figure 7-2-2-1-3

Once all the information has been completed for the Card screen click “Apply” If a card has been entered directly without firstly being added to the card list then a warning message will appear (figure 7-2-2-1-4). Click “Yes” to continue.

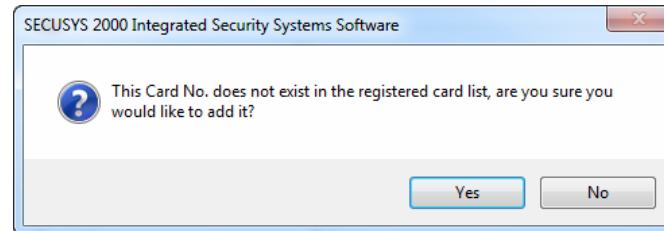


Figure 7-2-2-1-4

Access Level Tab

The Access Level tab allows the access level for this particular person to be set up (figure 7-2-2-1-5) Note that the Access Level Time Tables of each door are defined as described in section 7.1.4.3. Note also that the Day Time Table of Door 1 can be different from the Day Time Table of Door 2.

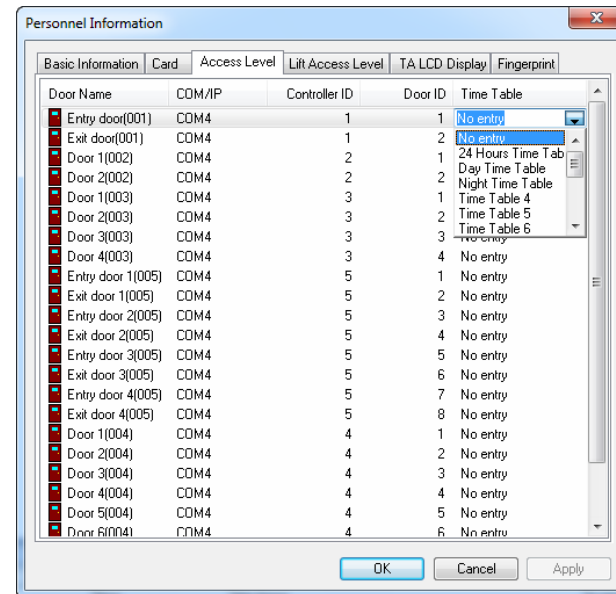
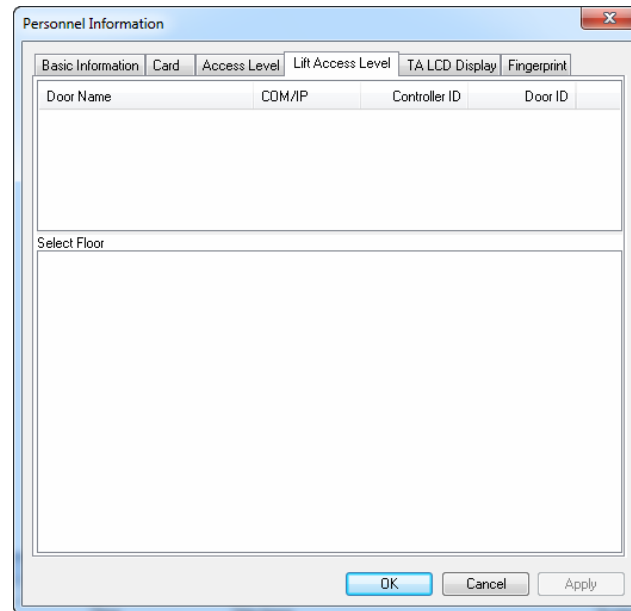


Figure 7-2-2-1-5

Lift Access Level Tab

The Lift Access Level tab allows the lift access level for this particular person to be set up (figure 7-2-2-1-6) Lift Access levels are set up the same as normal access levels.



The image shows a software window titled "Personnel Information" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are several tabs: "Basic Information", "Card", "Access Level", "Lift Access Level" (which is currently selected), "TA LCD Display", and "Fingerprint". The "Lift Access Level" tab contains a table with four columns: "Door Name", "COM/IP", "Controller ID", and "Door ID". Below the table is a large text area labeled "Select Floor". At the bottom of the window, there are three buttons: "OK", "Cancel", and "Apply".

Figure 7-2-2-1-6

FingerPrint Tab

The FingerPrint tab allows the FingerPrint access level for this particular person to be set up (figure 7-2-2-1-7)
Lift Access levels are set up the same as normal access levels.

The screenshot shows the 'Personnel Information' dialog box with the 'FingerPrint' tab selected. The 'Use Fingerprint' checkbox is checked. The 'Private Auth Mode' is set to 'Device Default'. The 'Admin Level' is set to 'Normal User'. The 'Fingerprint PIN' field is empty. The 'Enroll Device' dropdown is set to 'Device Default'. The '1:1 Security Lev' dropdown is also set to 'Device Default'. There are checkboxes for 'Bypass card' (unchecked) and 'Use Access Card PIN' (checked). A 'Refresh' button is located next to the 'Use Access Card PIN' checkbox. Below these are two sections for '1st Finger' and '2nd Finger', each with a large empty box for a fingerprint scan and buttons for 'Scan', 'Delete', 'Verify', and 'Duress'. At the bottom of the dialog are 'OK', 'Cancel', and 'Apply' buttons.

Figure 7-2-2-1-7

7.2.2.2 Editing a Person

Personnel can be edited (figure 7-2-2-1) Highlight the user then click on the "Edit" button. The same screens as Section 7.2.1 apply.

7.2.2.3 Deleting a Person

Personnel can be deleted (figure 7-2-2-1) Highlight the user then click on the "Delete" button. Click "Yes" when asked if you want to delete this user (figure 7-2-2-3-1). The user will then disappear from the Personnel List.

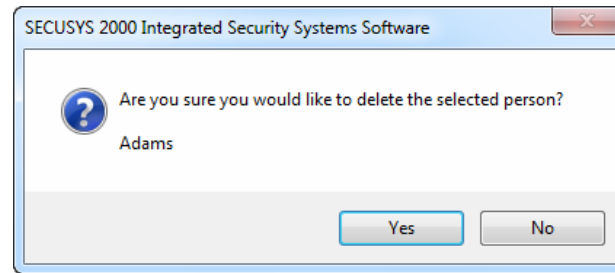


Figure 7-2-2-3-1

7.2.3 Access Level

Clicking on the Access Level sub-menu item on the Setup, Card menu will open the Access Level screen window (figure 7-2-3-1). This screen is used to allocate to individual personnel Time Tables for doors and also copy a person's access levels to another person (figure 7-2-3-1)

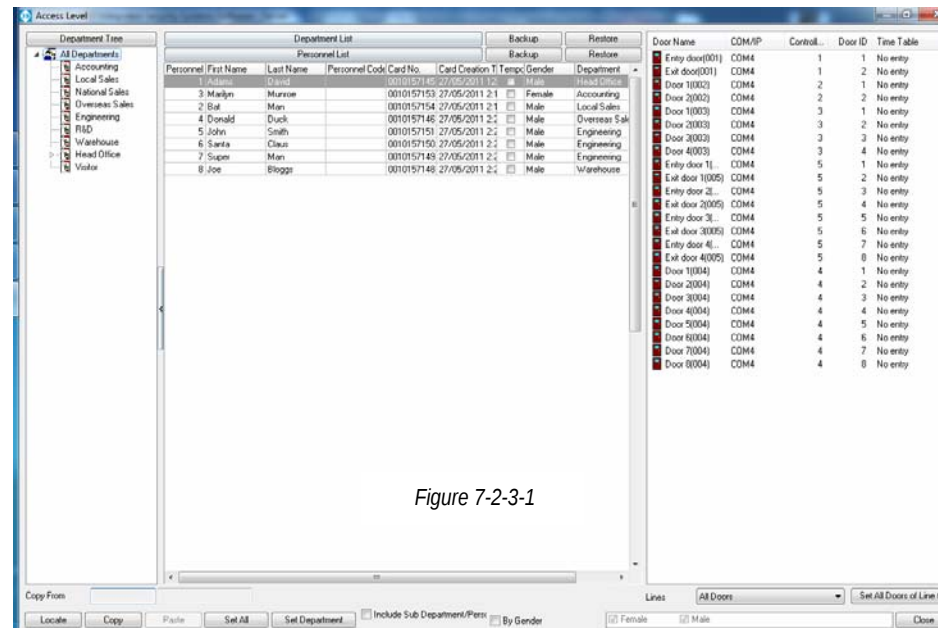


Figure 7-2-3-1

To allocate to an individual person a time table, highlight the person you wish to allocate a time table for, select the door and a valid time table from the drop down menu (figure 7-2-3-2). Note that time tables must have previously been set up in Section 7.1.4, Door Configuration.

Department List							Backup	Restore
Personnel List							Backup	Restore
Personnel	First Name	Last Name	Personnel Code	Card No.	Card Creation T	Temp	Gender	Department
1	Adams	David		0010157145	27/05/2011 12	☐	Male	Head Office
3	Marilyn	Munroe		0010157153	27/05/2011 2:1	☐	Female	Accounting
2	Bat	Man		0010157154	27/05/2011 2:1	☐	Male	Local Sales
4	Donald	Duck		0010157146	27/05/2011 2:2	☐	Male	Overseas Sale
5	John	Smith		0010157151	27/05/2011 2:2	☐	Male	Engineering
6	Santa	Claus		0010157150	27/05/2011 2:2	☐	Male	Engineering
7	Super	Man		0010157149	27/05/2011 2:2	☐	Male	Engineering
8	Joe	Bloggs		0010157148	27/05/2011 2:2	☐	Male	Warehouse

Door Name	COM/IP	Control...	Door ID	Time Table
Entry door(001)	COM4	1	1	24 Hours Time Table
Exit door(001)	COM4	2	2	24 Hours Time Table
Door 1(002)	COM4	2	1	24 Hours Time Table
Door 2(002)	COM4	2	2	24 Hours Time Table
Door 1(003)	COM4	3	1	No entry
Door 2(003)	COM4	3	2	24 Hours Time Table
Door 3(003)	COM4	3	3	Day Time Table
Door 4(003)	COM4	3	4	Night Time Table
Entry door 1(004)	COM4	5	1	Time Table 5
Entry door 2(004)	COM4	5	2	Time Table 6

Figure 7-2-3-2

To copy a personnel's access levels from one person to another, first highlight the person whose access levels you wish to copy and click on the "Copy" button. The person who you are copying from will turn green (figure 7-2-3-3)

Department List						Backup	Restore	
Personnel List						Backup	Restore	
Personnel	First Name	Last Name	Personnel Code	Card No.	Card Creation T	Temp	Gender	Department
1	Adams	David		0010157145	27/05/2011 12	☐	Male	Head Office
3	Marilyn	Munroe		0010157153	27/05/2011 2:1	☐	Female	Accounting
2	Bat	Man		0010157154	27/05/2011 2:1	☐	Male	Local Sales
4	Donald	Duck		0010157146	27/05/2011 2:2	☐	Male	Overseas Sale
5	John	Smith		0010157151	27/05/2011 2:2	☒	Male	Engineering
6	Santa	Claus		0010157150	27/05/2011 2:2	☐	Male	Engineering
7	Super	Man		0010157149	27/05/2011 2:2	☐	Male	Engineering
8	Joe	Bloggs		0010157148	27/05/2011 2:2	☐	Male	Warehouse

Door Name	COM/IP	Control...	Door ID	Time Table
Entry door(001)	COM4	1	1	24 Hours Time ...
Exit door(001)	COM4	1	2	24 Hours Time ...
Door 1(002)	COM4	2	1	24 Hours Time ...
Door 2(002)	COM4	2	2	24 Hours Time ...
Door 1(003)	COM4	3	1	24 Hours Time ...
Door 2(003)	COM4	3	2	24 Hours Time ...
Door 3(003)	COM4	3	3	24 Hours Time ...
Door 4(003)	COM4	3	4	24 Hours Time ...
Entry door 1(...	COM4	5	1	24 Hours Time ...

Figure 7-2-3-3

Then highlight the Person that you wish to copy the access levels to and click on the "Paste" button. To continue copying to other personnel continue to highlight the other persons and click "Paste" (figure 7-2-3-4)

Department List							Backup	Restore	Door Name	COM/IP	Control...	Door ID	Time Table
Personnel List							Backup	Restore					
Personnel	First Name	Last Name	Personnel Code	Card No.	Card Creation T	Temp	Gender	Department					
1	Adams	David		0010157145	27/05/2011 12	☐	Male	Head Office	Entry door(001)	COM4	1	1	No entry
3	Marilyn	Munroe		0010157153	27/05/2011 2:1	☐	Female	Accounting	Exit door(001)	COM4	1	2	No entry
2	Bat	Man		0010157154	27/05/2011 2:1	☐	Male	Local Sales	Door 1(002)	COM4	2	1	No entry
4	Donald	Duck		0010157146	27/05/2011 2:2	☐	Male	Overseas Sale	Door 2(002)	COM4	2	2	No entry
5	John	Smith		0010157151	27/05/2011 2:2	☒	Male	Engineering	Door 1(003)	COM4	3	1	No entry
6	Santa	Claus		0010157150	27/05/2011 2:2	☐	Male	Engineering	Door 2(003)	COM4	3	2	No entry
7	Super	Man		0010157149	27/05/2011 2:2	☒	Male	Engineering	Door 3(003)	COM4	3	3	No entry
8	Joe	Bloggs		0010157148	27/05/2011 2:2	☐	Male	Warehouse	Door 4(003)	COM4	3	4	No entry
									Entry door 1(...	COM4	5	1	No entry

Figure 7-2-3-4

A confirmatory box will appear, click "Yes" to continue (figure 7-2-3-5).

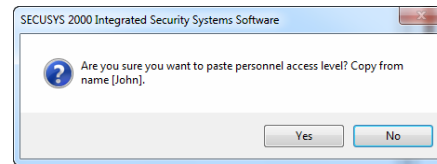


Figure 7-2-3-5

A persons access level can also be copied from a person to all members of that Department or Sub Department. Click on the Person who has the correct access level for the Department or Sub Department that you wish to copy, then click the “Set Dept Level”. A screen will appear asking if you wish to copy the access level from this particular person to all members of his department or group, select “Yes” to proceed (figure 7-2-3-6)

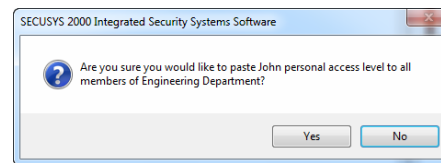


Figure 7-2-3-6

In the below example the access level for John was copied to all other members of the Engineering Department. (figure 7-2-3-7)

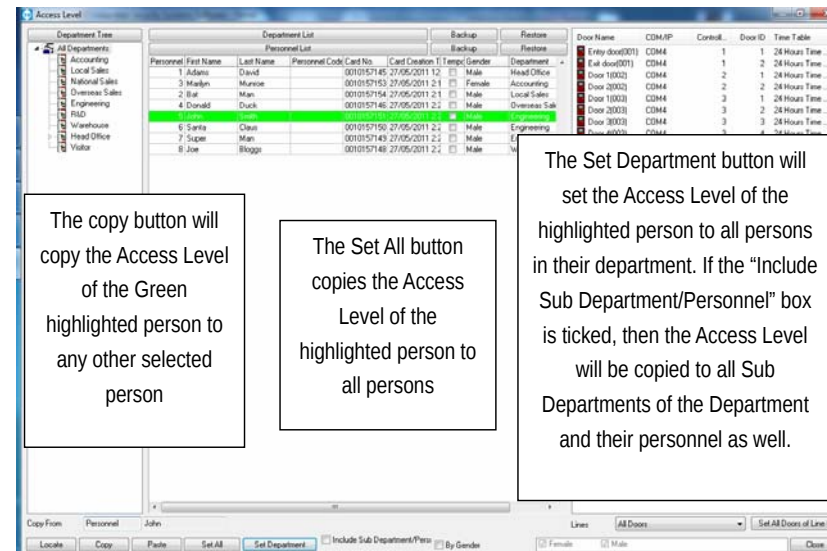
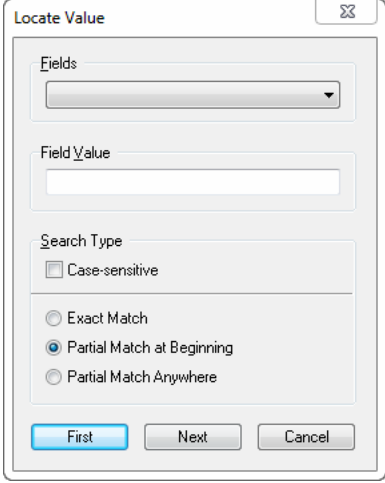


Figure 7-2-3-7

At the bottom left of the Personnel List/Department List Access Levels screens there is a button called "Locate". Clicking this button will bring up the Locate Value screen (figure 7-2-3-8). Clicking on the drop down box under the Fields label will list the fields on which a search can be made. Enter your data, tick any required boxes then click "First" to find the 1st entry conforming to the data, then "Next" to find any subsequent matches.



The "Locate Value" dialog box contains the following elements:

- Fields:** A dropdown menu.
- Field Value:** A text input field.
- Search Type:**
 - ☐ Case-sensitive
 - ☐ Exact Match
 - ☒ Partial Match at Beginning
 - ☐ Partial Match Anywhere
- Buttons:** "First", "Next", and "Cancel".

Figure 7-2-3-8

7.2.4 Personal PIN Enable

Clicking on the Personnel Pin Enable sub-menu item on the Setup, Card menu will open the Personnel PIN Enable window (figure 7-2-4-1). SECUSYS 2000 allows the opening of doors using a PIN only but 1st the doors must be set up for PIN operation in Section 7.1.4 Door Configuration. Each person can have a personal pin, refer Section 7.2.2.1. In the "Personal PIN Enable" screen we set which doors a Person, Department or Sub Department can open using the "Personal PIN" only. We can use the Copy/Set All/ Set Department/Apply buttons as explained in Section 7.2.3 for the Personal PIN also.

Department List					
Personnel List					
Personnel	Personnel Code	First Name	Last Name	Card Creation Time	Card No. Department
1		John	Smith	27/05/2011 2:17:54 p.	0010157153 Accounting
3		Marlyn	Munroe	27/05/2011 2:16:13 p.	0010157154 Local Sales
4		Donald	Duck	27/05/2011 2:20:23 p.	0010157146 Overseas Sales
5		John	Smith	27/05/2011 2:22:12 p.	0010157151 Engineering
6		Santa	Claus	27/05/2011 2:23:35 p.	0010157150 Engineering
7		Sue	Man	27/05/2011 2:24:40 p.	0010157149 Engineering
8		Joe	Bloggs	27/05/2011 2:26:34 p.	0010157148 Warehouse

Door Name	COM/JP	Controller ID	Door ID
☒ Entry door(001)	COM4	1	1
☒ Exit door(001)	COM4	1	2
☒ Door 1(002)	COM4	2	1
☒ Door 2(002)	COM4	2	2
☒ Door 1(003)	COM4	3	1
☒ Door 2(003)	COM4	3	2
☒ Door 3(003)	COM4	3	3
☒ Door 4(003)	COM4	3	4
☒ Entry door 1(0...	COM4	5	1
☒ Exit door 1(005)	COM4	5	2
☒ Entry door 1(0...	COM4	6	1

Figure 7-2-4-1

7.2.5 Visitors List

Clicking on the Visitors List sub-menu item on the Setup, Card menu will open the Visitors List window (figure 7-2-5-1). The Visitors module allows issuing visitors tags to temporary visitors. These will be allocated from the Temporary Cards List, refer Section 7.2.1.3. SECUSYS 2000 can handle up to 500 visitors (Temporary Cards) at the same time. Usually, the Visitors Cards pool will be prepared in advance and the cards will be kept at reception with the cards' number printed on the card. This way whenever a visitor arrives a card will physically taken from that pool and in the SECUSYS 2000 all we need to do is to enter the visitors details. (figure 7-2-5-1)

The screenshot shows the 'Visitor List' window. It is divided into two main sections: 'Visitor Card' on the left and 'Visitor Information' on the right. The 'Visitor Card' section contains a 'Card No.' field and an 'Add>' button. The 'Visitor Information' section contains fields for ID, First Name, Last Name, Code, Gender, ID Number, TEL, Address, Department, Group, From Time, Expiration Time, and PIN. There is also a '3X4' photo area with 'Load...' and 'Clear' buttons. At the bottom, there are buttons for 'Temporary Card List', 'Close', 'Edit', 'Cancel', 'Save', and 'Visitors Report'.

1. Temporary Card List.
Highlight the card to add. (note that cards must have been added previously otherwise the list will be empty.)

2. Click "Add" to move the card from the Temporary Cards List to the Active Visitors List.

3. Enter Visitors' details. A JPG picture may be loaded or double click on the picture area to take a picture from a web or digital camera. Click Save.

Figure 7-2-5-1

7.2.6 Lift Access Level

Clicking on Lift Access Level sub-menu item on the Setup, Card menu will open the Lift Access Level window (figure 7-2-6-1). SECUSYS 2000 allows us to grant the access level to different floors when using the elevator. The access level can be granted to each person individually or to departments/sub departments. In section 7.2.2.1 the Lift Access Level for an individual was set. In this section the Lift Access Level for a department or sub department is set. Once again the layout and function buttons are standard.

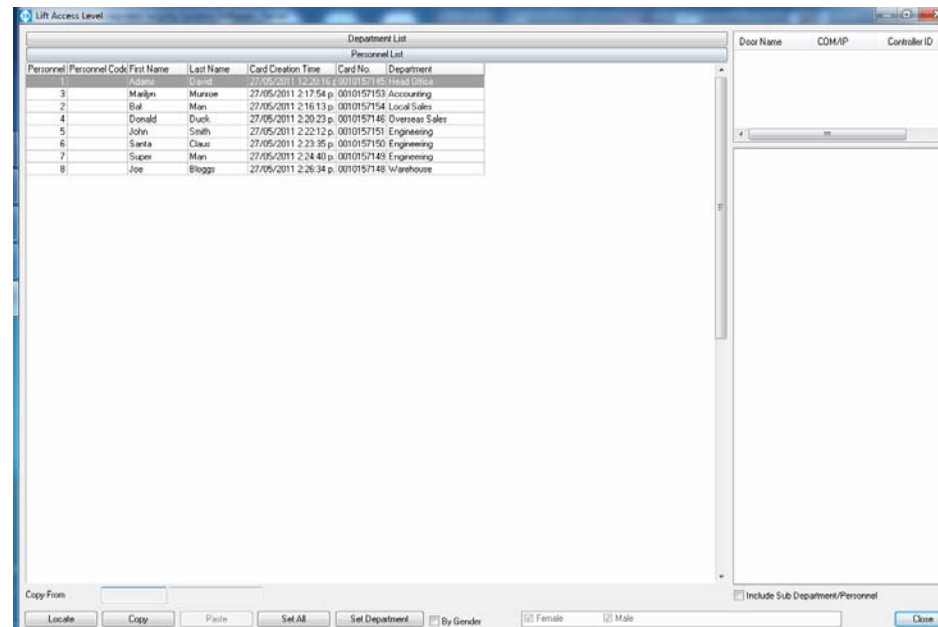


Figure 7-2-6-1

Tick the Floors you would like the Person or Department to have access to. The powerful functions of Search/Copy/Paste/Set All/Set Department/Apply (include Sub Department/Personnel) as described in Section 7.2.3 can be used. The Time Table that the person can access the granted floors in the Access Level tab of Personal Information as explained in Section 7.2.2.1 will need to be set up (figure 7-2-6-2)

Personnel Information [X]

Basic Information | **Card** | Access Level | Lift Access Level | TA7001 LCD Display

Door Name	Controller ID	Door ID	Time Table
■ Main Entrance(004)	4	1	Day Time Table
■ Main Exit(004)	4	2	No entry
■ R&D Dept. IN (004)	4	3	No entry
■ R&D Dept. Out (004)	4	4	No entry
■ Sales Dept. IN (004)	4	5	No entry
■ Sales Dept. Out(004)	4	6	No entry
■ Marking Dpt.IN(004)	4	7	No entry
■ Marking Dpt.Out(0...	4	8	No entry
■ Entrance Lift (007)	7	1	24 Hours Time Table ▼

OK Cancel Apply

Figure 7-2-6-2

7.3 Events Alerts

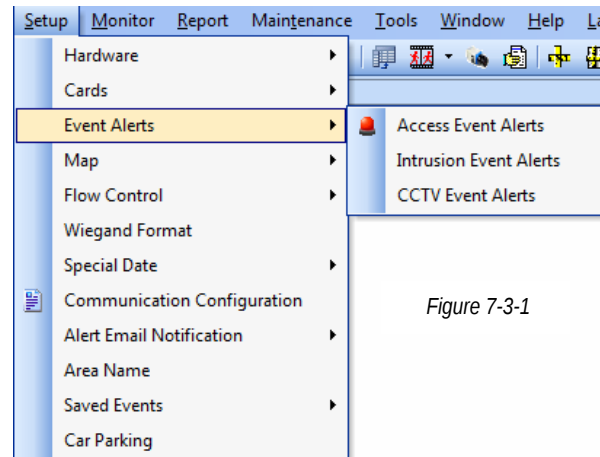


Figure 7-3-1

Clicking on the Event Alerts sub-menu item on the Setup menu (figure 7-3-1) will open a smaller sub menu showing different types of Events where the required option can be selected. SECUSYS 2000 provides powerful and flexible event handling and notification. There are 3 screens, one for Access Events, one for Intruder Alarm Events and one for CCTV Events. As these screens are essentially identical and duplicate the information, the example and explanation below applies to all screens although the Access Events screen is used (figure 7-3-2).

For each type of event the user can assign a name, validation (by card number range, date and time), background color, the event colour (in the "Events Monitor), sound file, pop up window, map and other information (figure 7-3-2).

Name	Event	From Card No.	To Card No.	From Date	To Date	From Time	To Time	Color	Sound File	Popup	Keep Arrang	Popup Icon	Map Popup	Acknowledg D
Controller Reset	Reset	0000000000	4294967295	1/03/2007	30/09/2050	00:00:00	23:59:59	Yellow			☒	☒	☒	☒
Clear up memory data	Clear All Data	0000000000	4294967295	1/03/2007	30/09/2050	00:00:00	23:59:59	Yellow			☒	☒	☒	☒
Invalid Card	Invalid Card	0000000000	4294967295	1/03/2007	30/09/2050	00:00:00	23:59:59	Red	res\ALAR11.WAV	Right Top	☒	☒	☒	☒
Valid Card	Valid Card	0000000000	4294967295	1/03/2007	30/09/2050	00:00:00	23:59:59	Green	res\ALAR11.WAV	Right Bottom	☒	☒	☒	☒
Invalid Door/Time	Invalid Door/Time	0000000000	4294967295	1/03/2007	30/09/2050	00:00:00	23:59:59	Red	res\ALAR11.WAV		☒	☒	☒	☒
Door Force Open	Unusual Door Open	0000000000	4294967295	2/08/2009	3/08/2050	00:00:00	23:59:59	Red	res\ALAR11.WAV		☒	☒	☒	☒
Connection Failure	Connection Failure	0000000000	4294967295	2/08/2009	11/08/2050	00:00:00	23:59:59	Red	res\ALAR11.WAV		☒	☒	☒	☒
Door Left Open	Door Opened DOTL	0000000000	4294967295	2/08/2009	2/08/2050	00:00:00	23:59:59	Red	res\ALAR11.WAV		☒	☒	☒	☒

Figure 7-3-2

The explanation of this screen is as follows:

Name:	A name the user can give to the Event.
Event:	The Event as defined in SECUSYS 2000 system.
From Card No:	The Alert handling will apply for card numbers equal or higher than this. 00000000 is the default and most commonly used.
To Card No:	The Alert handling will apply for card numbers equal or lower than this. 4294967295 is the default and most commonly used.
From Date:	Starting date to apply to the event handling.
To Date:	Ending date to apply to the event handling.
From Time:	Starting time to apply to the event handling.
To Time:	Ending time to apply to the event handling.
Color:	Selecting a background color for the event to be shown in the "Events Monitor" (Section 9.1).
Sound File:	Wave file to be played when the event happens.
Pop Up:	Enabling and positioning an "MSN Messenger" style Popup window which will summarize the event info.
Keep Arming:	
Popup Icon:	the type of icon (if any) to be presented inside the Popup window. Type of Icons are: Confirmation/Warning/Error/None.
Map Pop Up:	If checked the events' corresponding map will pop up.
Acknowledge:	
Description:	

The following event colours can also be set up:

Default Font Colour, Default Background Colour, Acknowledged Font Colour, Acknowledged Background Colour, Normal Font Colour and Normal Background Colour

Buttons and Commands (figure 7-3-3):



Figure 7-3-3

Speech Setup:	Set up a speech file for an event and test (figure 7-3-4)
New Alert:	Creating a new alert handler.
Delete Record:	Deleting an alert handler.
Edit Event Alert:	Editing the handler.

Clicking on the Speech Setup icon opens up the Speech Setup window (figure 7-3-4) Here the Speech Engine required can be selected from the drop down menu and a test made.

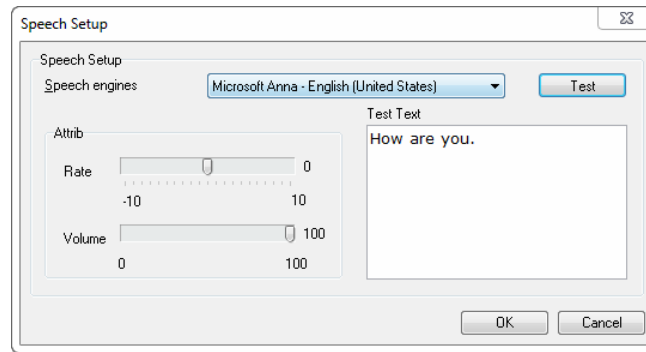


Figure 7-3-4

7.4 Maps

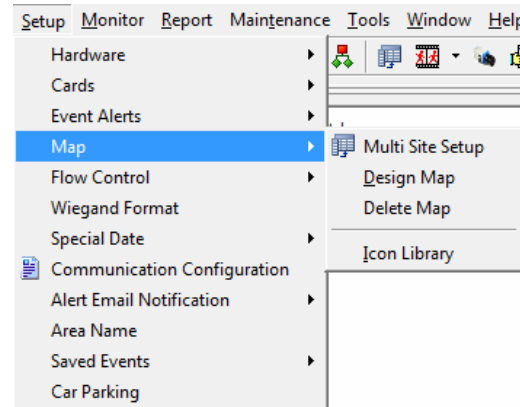


Figure 7-4-1

Clicking on the Map sub-menu item on the Setup menu (figure 7-4-1) will open a smaller sub menu showing different types of map functions. SECUSYS 2000 provides comprehensive graphical monitoring and control. The Map allows visual maps of the different sites, building and floors. A user can view all controller components on a map (locks, sensors, exit buttons, inputs, and outputs). All maps and controller components are dynamic. Components will change their graphical icon if their physical status has changed (i.e. the lock was unlocked or the door was opened). Maps can be easily designed by placing controllers' components on and even changing icons or adding icons to components. Maps can also Popup, refer section 7.3. SECUSYS 2000 will automatically switch from Map X to Map Y if an alert event takes place on a Maps' Y controller component.

7.4.1 Multi Site Setup

Multi Site Setup is setting the entire companys structure where the sites and their names, the buildings in each site, the floors in each building and their maps are defined (figure 7-4-1-1). Set up a site(s), building(s) and floor(s) then click on the "New Map" button at the bottom of the screen to open the Map Designer window.

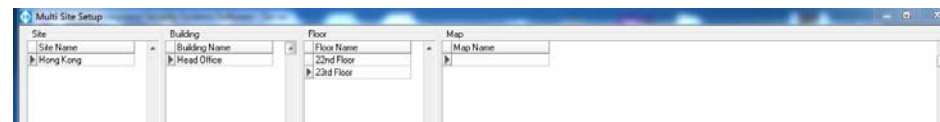


Figure 7-4-1-1

Any controllers that have been added to the system will appear in the left hand panel. If a RED cross appears then that particular controller is not currently online (figure 7-4-1-2). In the example below the controllers have been renamed to their particular areas, this helps when using tenancies. Renaming is done after a controller has been added and saved, (section 7.1, figure 7-1-1-4). However if for any reason controllers are searched and saved again, then the default controller name will over write the entered name.

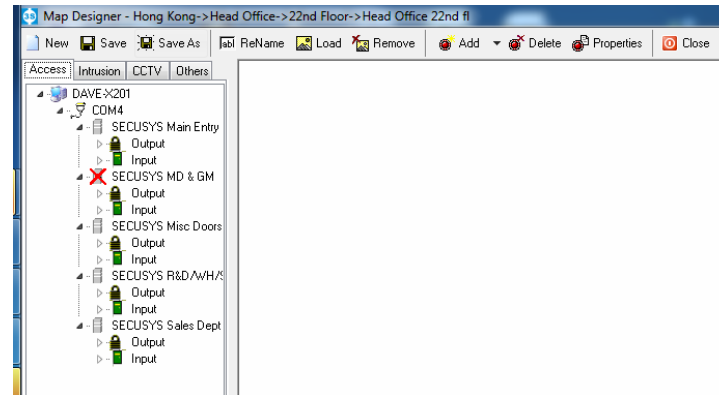


Figure 7-4-1-2

The Map Designer window has the following buttons:

- New:** A blank canvas for creating a new map.
- Save:** Saving the created map.
- Save As:** Saving the created map under a different name and "Pic ID" (Picture ID). "Pic ID" is the unique identifier for maps. User can re use the map name but not the "Pic ID" of the map.
- Rename:** Changing the map name.
- Load:** Loading a JPG picture to be the map usually a floor or blue print drawing.
- Remove:** Removing the map JPG file.
- Add:** Adding controller components on the map. Multiple components can be selected by holding down the "Shift" Key and clicking on "Down Arrow" or by holding "Ctrl" key and selecting multiple components using the mouse (Figure 7-60). After adding the components they will show up on the left upper corner of the map (overlapping each other). Each one can be dragged to the desired position then click "Save" to keep them in the new position.
- Delete:** Select a component and click "Delete" to delete it from the map.
- Close:** Close the Map Designer window.

If a map is to be saved then save the blank canvas as a map (figure 7-4-1-3)

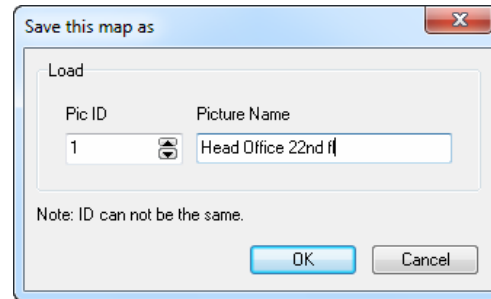


Figure 7-4-1-3

7.4.2 Design Map

This is used to design or edit an existing map (figure 7-4-2-1). Click on the Setup, Map, Design Map sub menu item and the Design Map screen will appear. Note that a map canvas must have been set up and saved under the previous section and any map canvas that has been setup previously will appear in the list. Double click on the map canvas or highlight then click on the "Design Map" button.

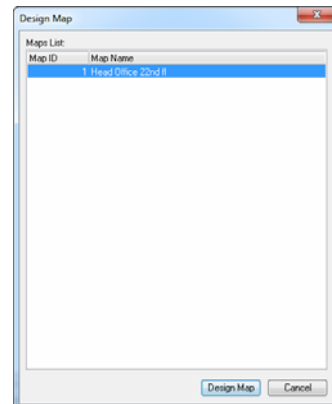


Figure 7-4-2-1

The icons and menu items are explained in the previous section. Click on the "Load" button to load a background floor plan or graphic. To add a component click on the "Add" button then drag the component required from the left hand access tree onto the map (figure 7-4-2-2).



Figure 7-4-2-2

The graphics for a particular component can be changed if required. Highlight the particular graphic then click "Properties" The Controller Component Graphics window will open (figure 7-4-2-3)

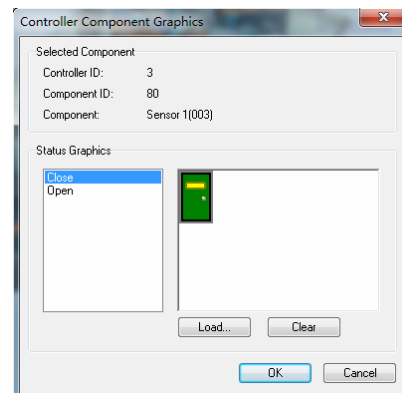


Figure 7-4-2-3

7.4.3 Delete Map

Delete a Map by selecting it from the list and clicking the “Delete” button.

7.4.4 Icon Library

SECUSYS 2000 provides a default icon library which can be used for the different controller components. The library offers a selection of different icons for the same component including different size (i.e. small lock icon, big lock icons etc.). This provides high flexibility for the user in respect to the map picture or blue print proportion (figure 7-4-4-1)

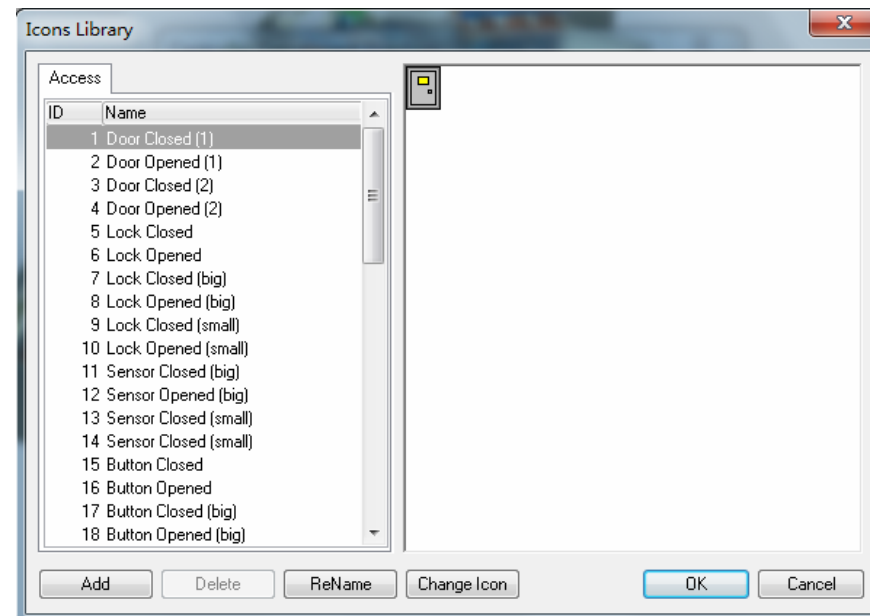


Figure 7-4-4-1

- Add:** Add an Icon by selecting a JPG picture, entering an Icon ID and Icon name.
- Delete:** Delete an Icon.
- Rename:** Change an Icons' name.
- Change Icon:** Change the Icon picture (JPG file).

7.5 Flow Control

Clicking on the Flow Control sub-menu item on the Setup menu will enable either the Access Flow Control or the Intrusion Flow Control menu options to be selected (figure 7-5-1).

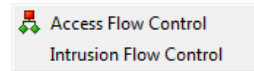


Figure 7-5-1

For the following sections the Access Flow Control has been selected as this is the most common. The Intrusion Flow Control is almost identical in the setup however an intruder alarm panel must have been added previously.

The Flow Control allows the user to define the logical conditioning of :

IF (Condition) **THEN** Action(XXX); **AND** & **OR** functions can be applied to allow for more complex conditions.

There are 3 types of Flow Control, By Inputs, By Events, Global Flow Control (Software) (figure 7-5-2)

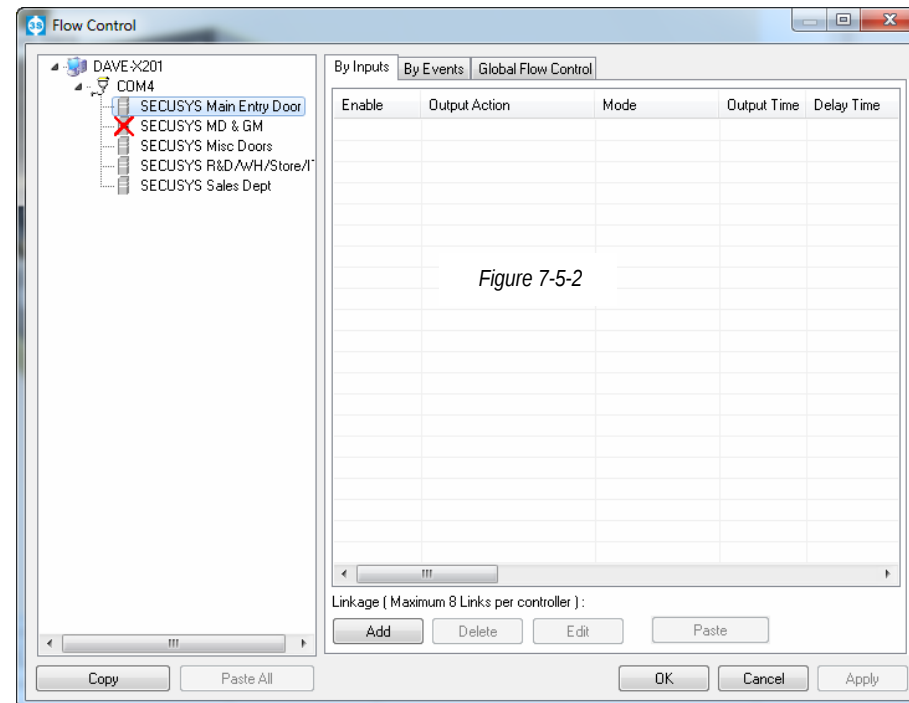


Figure 7-5-2

7.5.1 Flow Control By Inputs

Flow Control by Inputs means the Flow Control is processed according to the physical controller components of Locks, Exit Buttons, Door Sensors, Aux Inputs/Outputs etc. A condition can be created:

*IF (Source1) **AND** (Source2) **AND** ... (Source8) **THEN** Activate (Relay);*

Several "Sources" do not have to be used with "**AND**" (figure 7-5-1-1) SECUSYS 2000 Flow Control allows the user to use the SECUSYS system not only for an Access Control application but also for any type of automated control like Building Management. For a Fire Alarm all doors can be commanded to unlock automatically. Based on an external timer or sensor, lights or air conditioning systems can be turned on or off in the building.

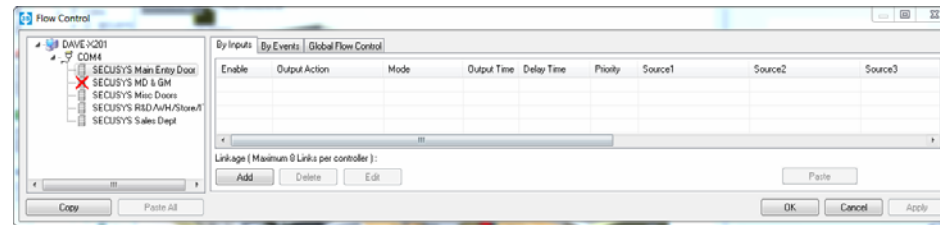


Figure 7-5-1-1

To create a Flow Control by Inputs click "Add". The Add Condition window in will appear (figure 7-5-1-2)

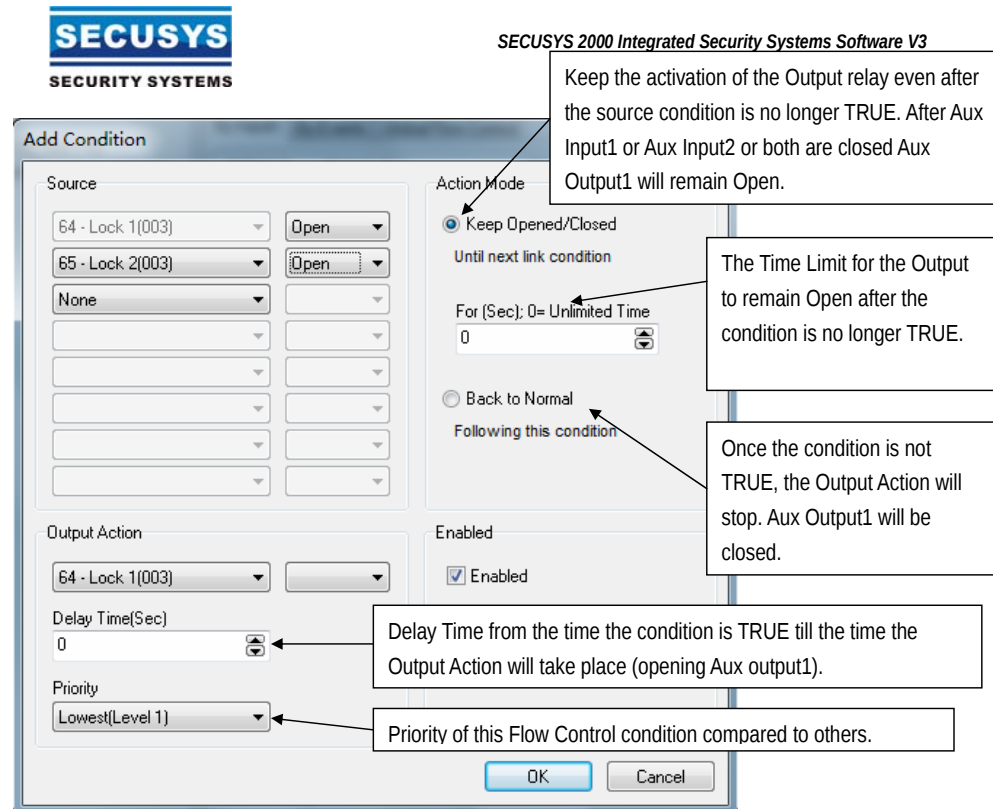


Figure 7-5-1-2

Several Flow Control By Inputs conditions can be created which means that we can practically create logical **OR** conditions between the different Inputs to apply to the same Output.

As an example, **IF** (Aux Input1 = Opens) **AND** (Aux Input 2 = Opens) **THEN** (Aux Output1) Closes (figure 7-5-1-3)

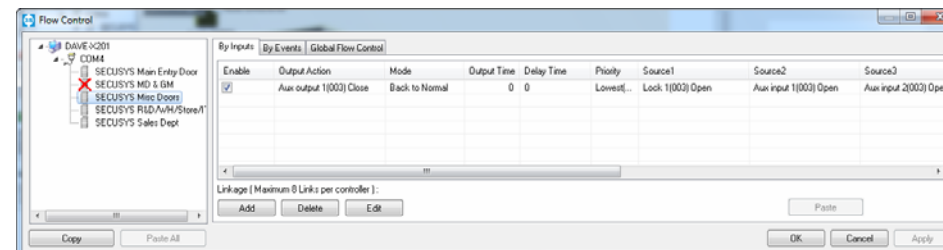


Figure 7-5-1-3

7.5.2 Flow Control By Events

Similar to “By Inputs” Flow Control, “By Events” allows to create conditions based on the software events. SECUSYS 2000 is generating events in respect to each one of the doors. (figure 7-5-2-1) We are able to activate different outputs based on the different events. The events are those described in Section 7.3, “Events Alerts” (e.g invalid card, invalid time/door, door unusual open etc.).

An “Invalid Card” flashing event can be programmed to activate one of the outputs to turn on a siren, lights, or any other application.

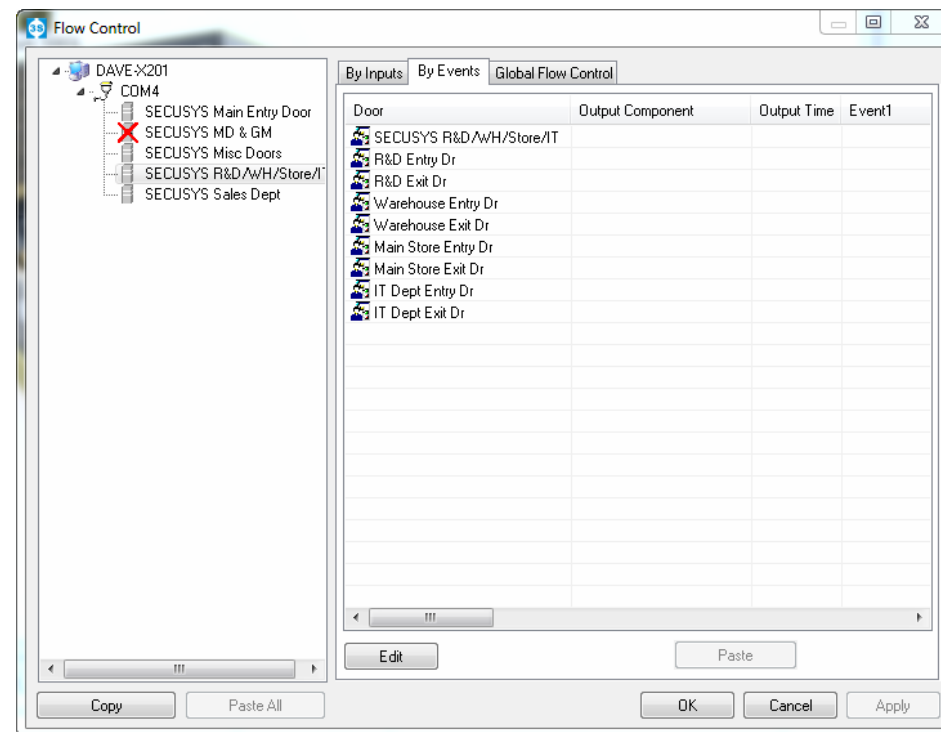


Figure 7-5-2-1

The condition structure will be: **IF** (Event 1) **OR** (Event 2) **OR**...(Event 11) **THEN** Activate (Relay) for T seconds; Event 1 to Event 11 are always in respect to the same door. In Flow Control By Events there is no “AND” since at a given moment only 1 event can take place in a given door. SECUSYS 2000 can handle up to 11 different events conditions per door.

Click the “Edit” button at the bottom of the Flow Control screen (figure 7-5-2-1) to open the “By Events

Conditions (OR) window (figure 7-5-2-2)

Figure 7-5-2-2

Click on the arrow to the right of the event and select an event(s) then select an action. In the below example:
IF (Invalid Card) **OR** (Door Unusual Open) **Then** Open (Aux Output1) for 10 seconds; (figure 7-5-2-3)

Figure 7-5-2-3

7.5.3 Global Flow Control (Software)

Global Flow Control is where a condition can be created which is based on a source in one controller and the action will take place in another controller. For this to happen the SECUSYS 2000 software must be running and online to all controllers. In the below example the SECUSYS MD and GM door controller is actually off line. So even though the SECUSYS 2000 server is running, any conditions or actions associated with this controller will not work. (figure 7-5-3-1).

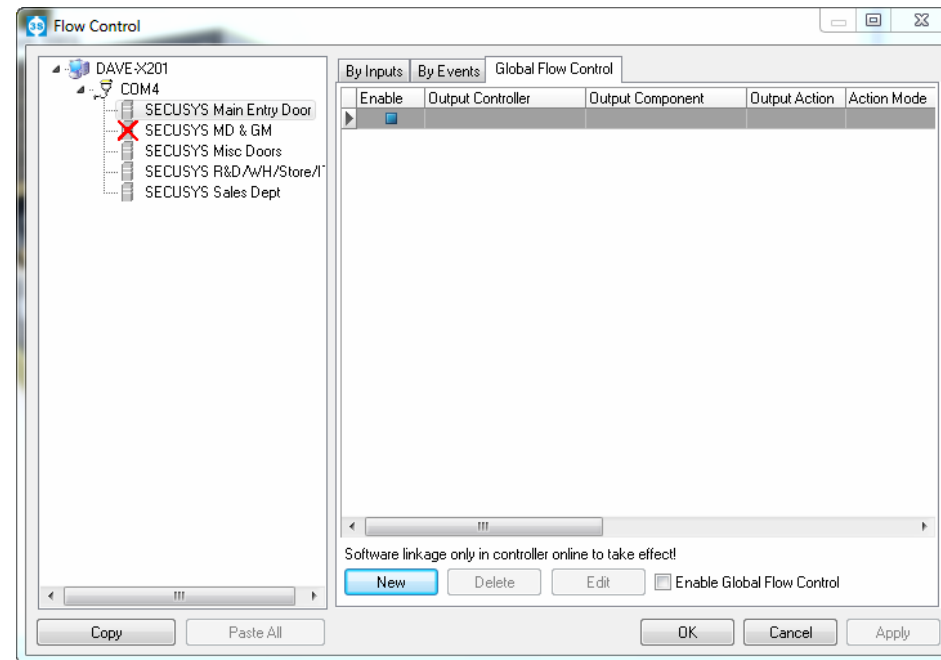


Figure 7-5-3-1

Click on the “New” button to set up a new condition. **IF** (Aux Input1 of the SECUSYS main Entry Door Controller is opened for more than 5 seconds) **THEN** Open (Aux Output 2 of the SECUSYS Misc Doors Controller) for 10 seconds (figure 7-5-3-2)

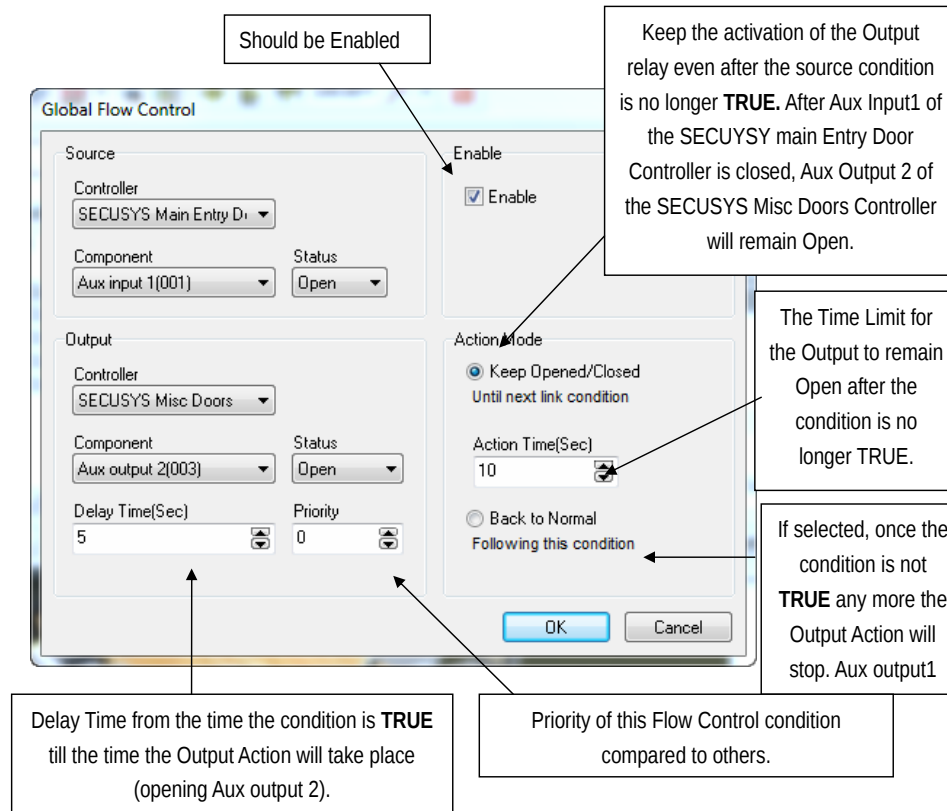


Figure 7-5-3-2

Delete – Deleting the selected condition.

Edit – Editing the selected condition.

7.6 Wiegand Format

Clicking on the Wiegand Format sub menu item on the Setup menu will open the Wiegand Format screen (figure 7-6-1). The method by which SECUSYS controllers can be configured to read multiple formats simultaneously is set up from this screen. The system comes as default with the two most common formats pre defined. These are 26 bit and 34 bit. Any format between 24 and 72 bit can be configured from this screen. If the system is required to read a card with a number of bits outside the two listed above, then these formats need to be configured before a card will be able to be read by the system.

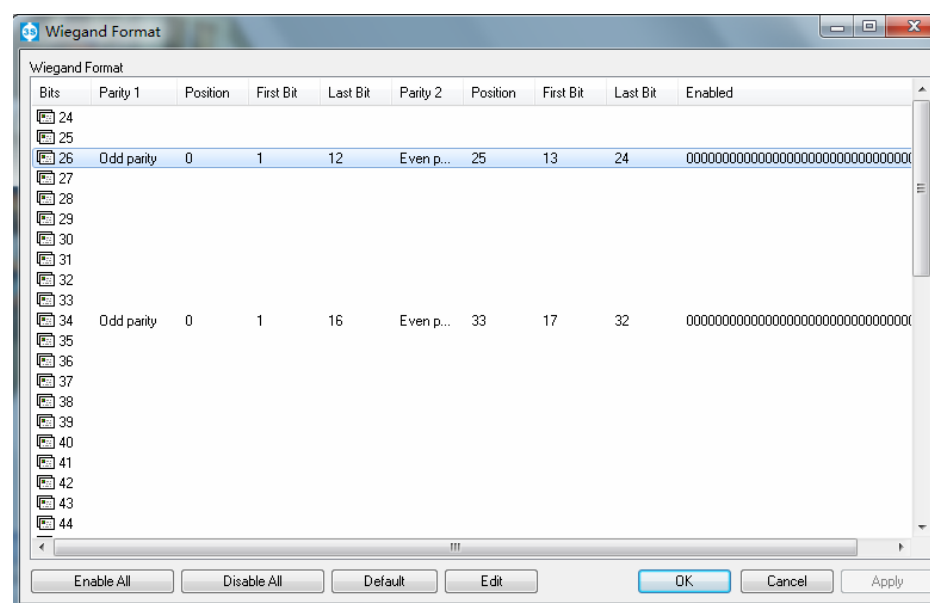


Figure 7-6-1

To edit a format, highlight the format and click on the "Edit" button. The Wiegand Format setup screen will appear (figure 7-6-2). The "Use Wiegand XX Bits Format" box must be ticked if you wish the system to recognize this format.

Wiegand Format

☒ Use Wiegand 34 Bits Format.

Parity No. 1

Parity: Parity Bit:

First Bit: Last Bit:

Parity No. 2

Parity: Parity Bit:

First Bit: Last Bit:

Data Format

"1" - Valid Bit, "0" - Invalid Bit

00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
Bit127							Bit64
00000000	00000000	00000000	00000001	11111111	11111111	11111111	11111110
Bit63							Bit0

Default OK Cancel

Figure 7-6-2

The example is a for 34 Bits format. There are a total of 34 bits. The 1st (bit 0) and the last (Bit 33) are parity bits so these are not counted as cardholder data so have a 0 instead of a 1. The 32 bits in the middle (from bit 1 to bit 32) are data bits and need to be counted so these need to have a 1. The 2 parity bits have different functions. The 1st one, Parity No 1 is located at Bit 0 and is calculated as odd parity using bits 1 to 16 for its calculation. The 2nd one, Parity Bit no 2, is located at bit 33 and is calculated as even parity using bits 17 to 32. Note that this is a very simple example with the parity being at the start and the end of the format. But beware that not all card formats are like this.

When setting up a data format initially leave the two "Parity" boxes blank and proceed to the "Data Format" panel at the bottom of the screen. At the Data Format panel, enter the valid bits you want read as a "1" and any bits that you do not want to be read enter as a "0". If you only know the number of bits on a card but do not know where the parity bits are located then as a temporary measure enable all the card bits, i.e. for 34 bit, place a "1" under bits 0 to 33. At this stage close the screen and flash a card conforming to the format that has been

entered. If the card reads and creates a card event in the "Events Monitor" then the system is recognizing the card format. Note at this stage, this is not the card number, it is just the number generated by all of the bits that have a "1" allocated to them.

Return to the Wiegand Format screen to continue. If nothing happens when a card is flashed and the system does not recognize the card format at this stage then the card is not the same format that has been edited.

Now that the system is actually reading the card format. The next step is to set the Data Format box so that the system ignores any Parity bits for the purpose of calculating the card number. The most common formats, but not all, have a Parity bit at the start of the card data and another at the end. While these bits appear on the card and form part of the bit structure and number of bits, they do not contribute to the card number. The Data Format box now needs to be edited and a "0" placed under any bits that are Parity bits. In the example, the 1st (bit 0) and the last (bit 33) are both Parity bits so a "0" is placed under bits 0 and 33. Click "OK" then flash the card at a valid reader. The number that appears now is the card number. In the example, the standard MIFARE 34 bit card has been used. The standard MIFARE card has 32 cardholder bits plus 2 x parity bits, one at each end, giving a total of 34 bits. Note that some readers, Indala for example, add a one byte checksum (8 bits) onto the MIFARE card number and send the data out as 40 bits.

The "Next" step is to enter the Parity data into the Parity 1 and Parity 2 screens. Although the system will work without this information, parity bits protect the data being received by the system and ensure that only valid data is received. In the 34 bit example, the parity bits are bit 0 for parity bit 1 and bit 33 for parity bit 2. Enter a "0" for Parity No 1 and enter a "33" for Parity No 2. If there are more than 2 parity bits then ignore them.

Parity can be either None, Odd or Even and this must be known. Parity Bits check that the data is not corrupted and will normally be calculated over a specific number of bits. In the 34 bit example, Parity No 1 (Bit 0) is Odd Parity calculated over bits 1-16. Parity No 2 (Bit 33) is Even Parity calculated over bits 17-32. The card manufacturer will normally supply the total number of bits, the location of parity, whether parity is None, Odd or Even and the bits over which the parity is calculated.

Note that there are many different methods for numbering the bits. The SECUSYS software and controllers count from the right hand side at bit 0. Some systems start counting at bit 1. No one system is more correct than another.

7.7 Special Date

Clicking on the Special Date sub-menu item on the Setup menu will allow the operator to select either a Temporary Date or Holidays (figure 7-7-1).

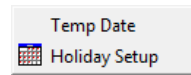


Figure 7-7-1

7.7.1 Temporary Date Setup

Clicking on the Temporary Date sub-menu item will open the Temporary Date Setup screen (figure 7-7-1-1). Two sets of Temporary Dates can be set up. The default date is the current date. Temporary dates will be cancelled after 7 days.

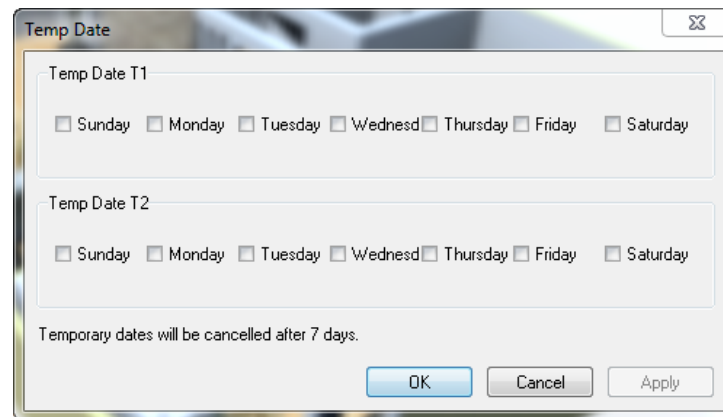
A screenshot of a 'Temp Date' dialog box. The dialog has a title bar with 'Temp Date' and a close button. Inside, there are two sections: 'Temp Date T1' and 'Temp Date T2'. Each section contains a row of checkboxes for the days of the week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday. Below these sections, there is a text label that says 'Temporary dates will be cancelled after 7 days.' At the bottom right, there are three buttons: 'OK', 'Cancel', and 'Apply'.

Figure 7-7-1-1

7.7.2 Holiday

Clicking on the Holiday Setup sub-menu item will open the Holiday Setup screen (figure 7-7-2-1). To select a holiday, double click on the date and the color will turn Red to indicate that this date is now a holiday. To cancel a previously selected holiday, double click the red holiday and it will return to the default color. There are seven holiday groups available from the tabs at the bottom of the screen; each group can have 365 holidays.

Note that currently the software only allows for holidays to be set up for the current year. However after a request SECUSYS is currently looking at ways to allow this year to either be increased to include “this year” and “next year”, or allow for a rolling 12 month period.

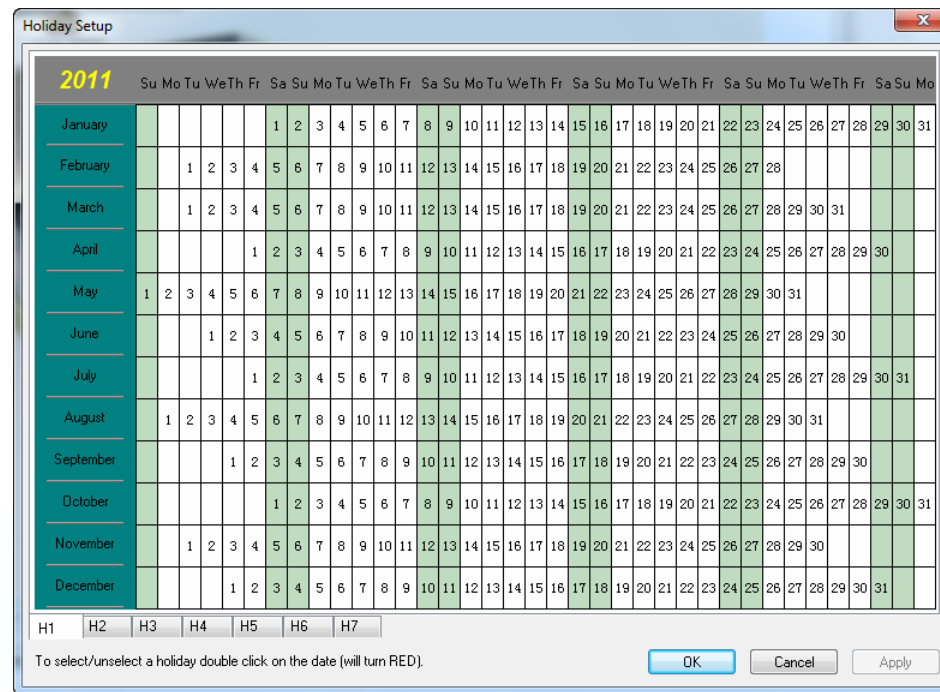


Figure 7-7-2-1

7.8 Communication Configuration

Clicking on the Communication Configuration sub-menu item on the Setup menu will open the Communication Configuration screen (figure 7-8-1) In order for the software to communicate with devices, the communication parameters need to be set up. There are 9 different tabs as follows:

1. Server
2. Communication
3. Clock Adjustment
4. Desktop reader and card number format
5. DVR
6. Intrusion
7. Fingerprint
8. Times Canteen
9. Send Events Packets

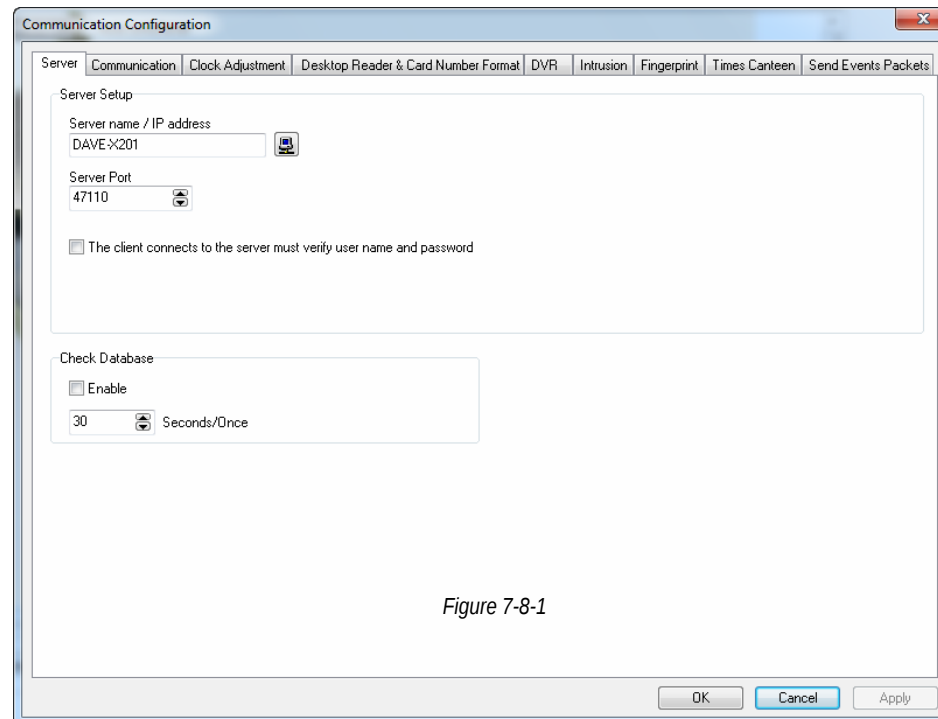


Figure 7-8-1

7.8.1 Server

The Server name or IP Address is the name or IP address of the PC which runs the SECUSYS 2000 Server software. If there is only one PC running the SECUSYS 2000 software then that PC is the Server. The Server Port is 47110 by default and there is no need to change this unless other software is running on the same PC and is using this port (highly unlikely but not impossible) (figure 7-8-1) The check database only needs to be checked if the database is located on a different machine, for example if an SQL server PC is being used. If checked the software checks to see that this SQL PC is actually powered up and on line and that there are no network issues to prevent the SECUSYS 2000 software from communicating with the database.

7.8.2 Communication

Network Delay Time:

This is the maximum delay time allowed between the controller and the Host PC. In this example if the delay will be more than 50 milliseconds, SECUSYS 2000 will consider the controller Offline. In some slow networks this value may need to be increased from 50 to 200. If controllers are connected over a WAN the delay can be even up to 10,000 Milliseconds. The user can adjust the value according the quality of the LAN in use. As a guide, If controllers are connected by unstable LAN, the Delay Time should be more than 50 Milliseconds, e.g. "200" Milliseconds. If controllers are connected through Wireless LAN, the Delay Time should be more than 50 Milliseconds, e.g. "200" Milliseconds. If controllers are connected over a WAN, the Delay Time should be more than 50 Milliseconds, e.g. "1,000" Milliseconds.

Get transaction one by one:

If the check box is ticked, SECUSYS 2000 will receive the transactions (events) from each controller one at a time. SECUSYS 2000 will upload all transactions of controller number 1, then it will collect all transactions from controller number 2, then number 3 and so on. Otherwise, SECUSYS 2000 will upload 256 transactions from controller number 1, then 256 transactions from controller number 2, then 256 transactions from controller number 3 and so on.

Write communication log:

If ticked all the communication events will be logged in the "Communication.txt." log file. The file is in the SECUSYS 2000 folder. The log enables SECUSYS engineers to analyze the status of communication with the controllers. An installer may be requested to tick this box should LAN troubleshooting be required.

Broadcast public information:

If ticked the public information (All the information which is common to all controllers e.g. Cards information, Holidays, Summer/Winter time etc.) will be sent to all controllers at the same time. The public information will be sent only 1 time. If there is communication/network failure, some information might be lost and not reach the controllers. The advantage is time saving in sending the information in case of large number of controllers. If the check box is not ticked, SECUSYS 2000 will send the public information to the controllers one by one. If communication fails, it will send again automatically up to 10 times. It is recommended not to tick the check box.

Area will be changed by valid event (without sensor, PC should be on line):

This function is used if the user would like to use the Anti Pass Back (APB) function when there are no door sensors connected. The APB function by default is changing the persons area based on a "Valid Card" event + Door Sensor Opened. This means the door was pushed and opened and the most likely scenario is the person then entered through the door and changes areas. If the user ticks this option the area will change based on a "Valid Card" event only. However this increase the chances for failure as just a card badge will change the personas area. For APB the SECUSYS 2000 software needs to be online.

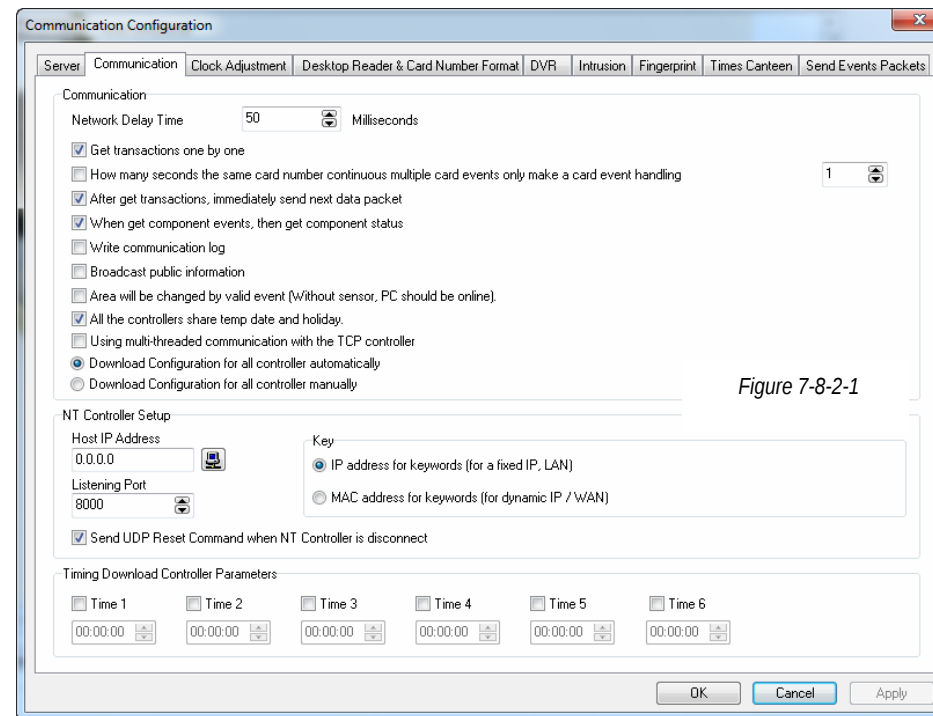
Host IP Address:

Clicking  will give the IP address of the PC which is connected to the TCP/IP controllers.

Listening Port:

The PC port is that is used for the TCP/IP communication. The default is 8000.

After setting the communication parameters, click on "OK" to apply the new settings. (figure 7-8-2-1)



7.8.3 Clock Adjustment

At the Clock Adjustment tab, clicking the Clock Adjustment button allows the date and time to be set up (figure 7-8-3-1). The software will then download the PC time to the access controllers, the DVR or a Fingerprint controller.

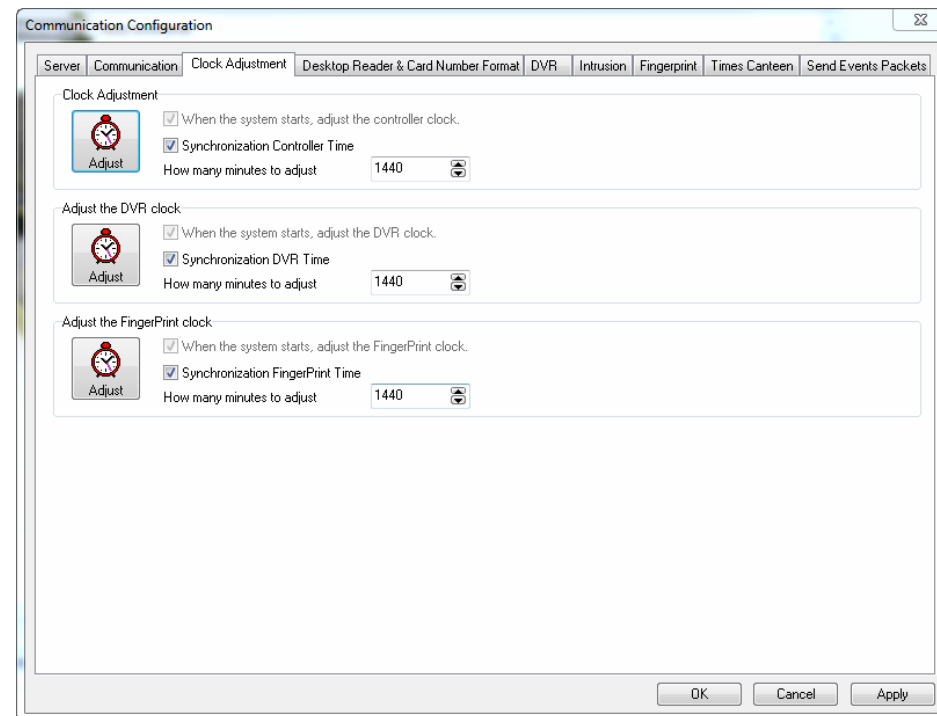


Figure 7-8-3-1

7.8.4 Desktop Reader & Card Number Format

In the Desktop Reader tab there are 3 drop down menus for setting Desktop reader parameters. Different manufacturers may use different protocols for the RS-232 connection to the desktop reader. The desktop reader needs to be configured in order to have the same card number when adding a card with a desktop RS-232 reader or Wiegand system reader. This configuration is done via these two drop down menus (figure 7-8-4-1)

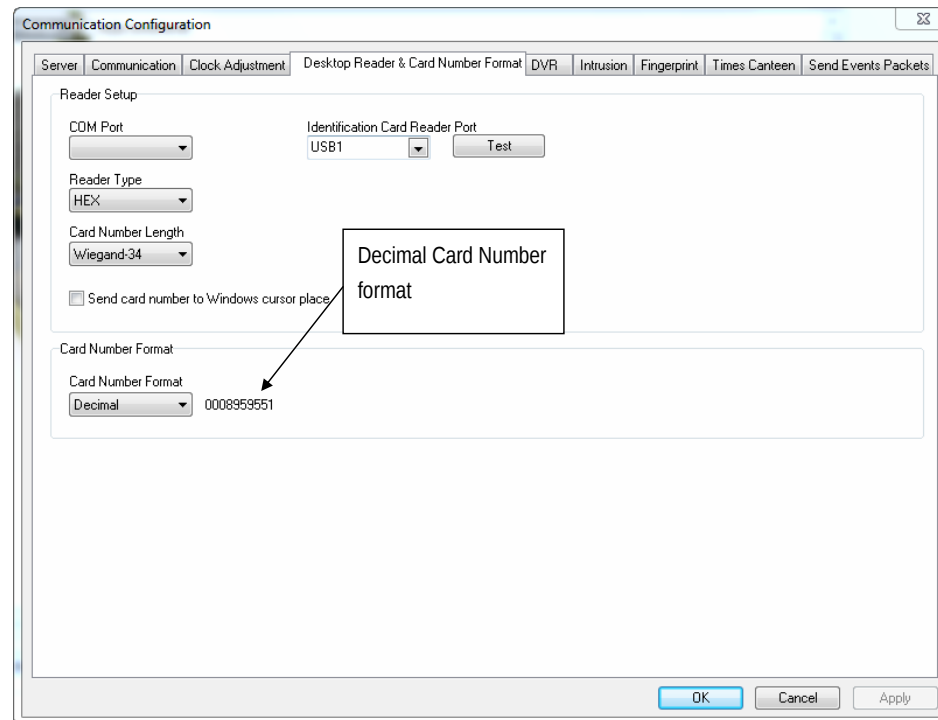


Figure 7-8-4-1

COM Port: Serial Port the desktop reader is connected. Don't use the same COM Port as the controllers.

Reader Type: The output type of desktop reader, the options include HEX, ASCII, WG232, 5588R and 5588 FP.

HEX: 5516E/M has this output format.

ASCII: 5516E/M has this output format. Please refer to the 5516E/M manual for more information

WG232: If a Wiegand PTC W-232/485 is being connected then select this option.

5588R has this output format

5588 FP Fingerprint reader has this output format

Card Number Length:	Wiegand-26 or Wiegand-34:
Identification Card Reader Port:	The physical port to which the desktop reader is connected to
Card Number Format:	The display format of card number in SECUSYS 2000. The choices are Decimal, Wiegand and HEX.

7.8.5 DVR

SECUSYS has 2 series of DVR's available that have been integrated with the SECUSYS 2000 software, these are known as Series 1 and Series 2. The setup parameters are found in the DVR Communication Configuration tab (figure 7-8-5-1) If any DVR's other than these 2 series are required to be interfaced then this can be done but at a cost.

The screenshot shows the 'Communication Configuration' window with the 'DVR' tab selected. The window contains the following settings:

- DVR Series:** A dropdown menu set to 'Series 2'.
- Connect Timeout:** A text box with '5000' and a unit selector set to 'MSEL'.
- Playback Configuration:**
 - Playback Feature:** A dropdown menu set to 'Throw no frame'.
 - Network Feature:** A dropdown menu set to 'Less latency, more fluent'.
- DVR Alarm Upload Type:** Two radio buttons; 'Listen' is selected, and 'Setup Alarm Channel' is unselected.
- DVR Alarm Listen Setup:**
 - Host IP Address:** A text box with a computer icon next to it.
 - Port:** A text box with '7200' and a unit selector.

At the bottom of the window are three buttons: 'OK', 'Cancel', and 'Apply'.

Figure 7-8-5-1

7.8.6 Intrusion

This section yet to be written

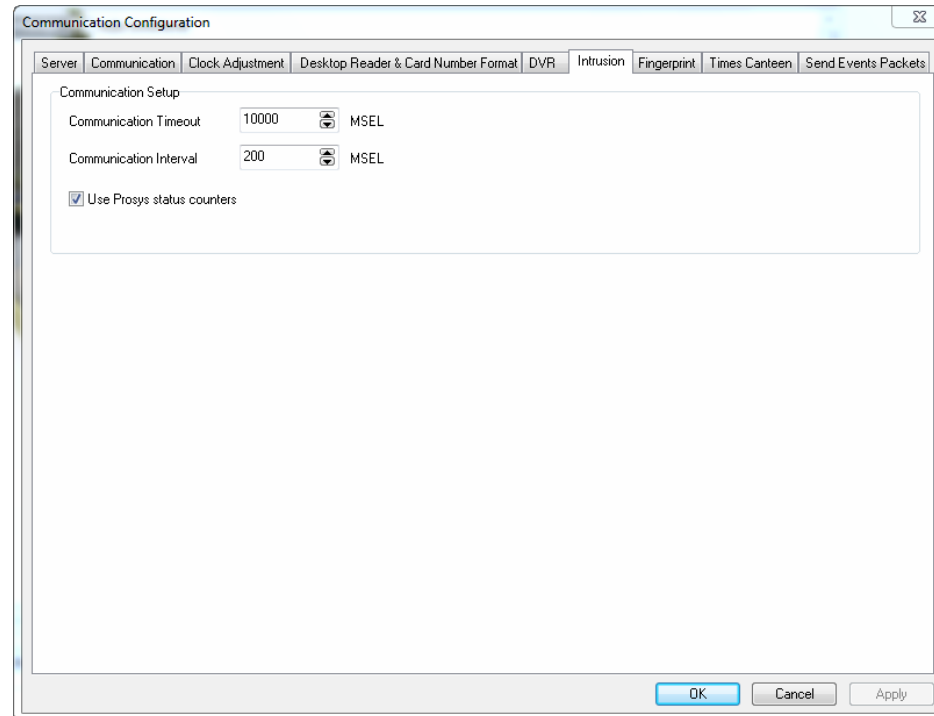


Figure 7-8-6-1

7.8.7 Fingerprint

The SECUSYS software currently includes interface drivers for two series of FingerPrint readers, the Bio Series and the KK series. Once the FingerPrint drivers have been loaded as part of the installation process and the hardware key has been enabled then select the series required from this screen (figure 7-8-7-1)

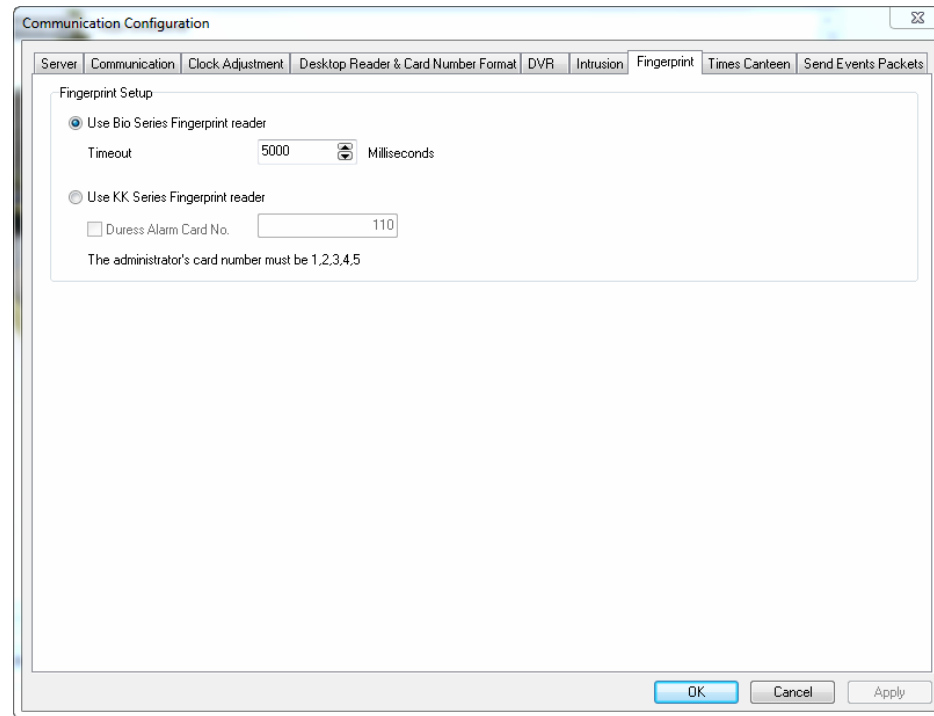


Figure 7-8-7-1

7.8.8 Times Canteen

The SECUSYS 2000 software has an option Time & Attendance module which is enabled by the hardware key providing it is installed. If it is not installed then the software installation file needs to be rerun and the Time & Attendance box ticked. If the Time & Attendance module is installed and licensed then the particulars can be set up here (figure 7-8-8-1)

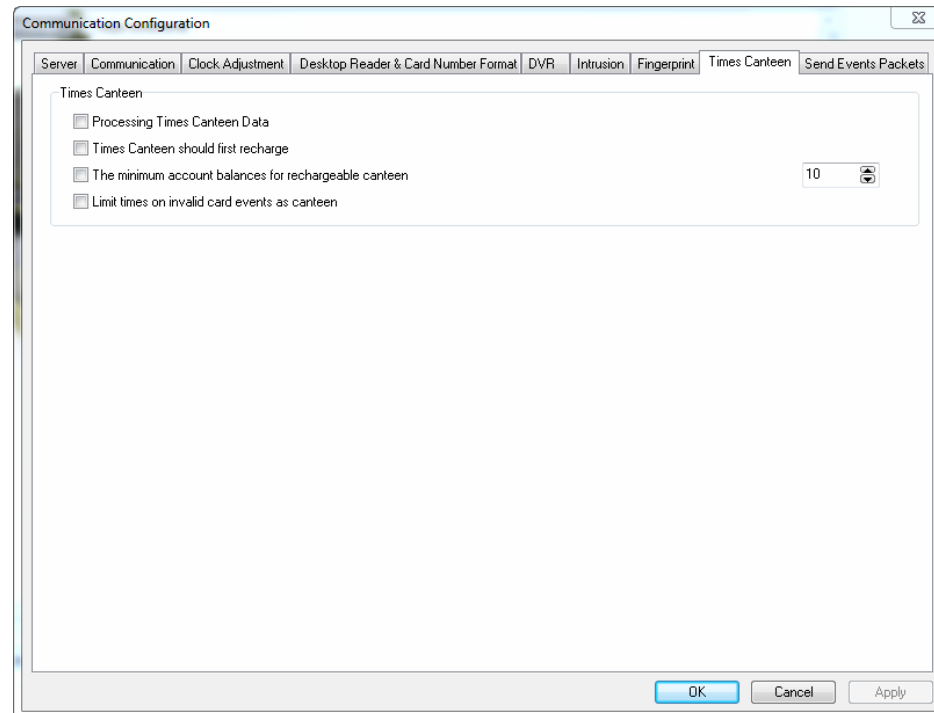


Figure 7-8-8-1

7.8.9 Send Event Packets

The SECUSYS 2000 software can send event messages to 3rd party software (figure 7-8-9-1) Tick the “Send Event Packets ...” message box, enter the server name or IP address for the 3rd party server then enter the remainder of the details as required.

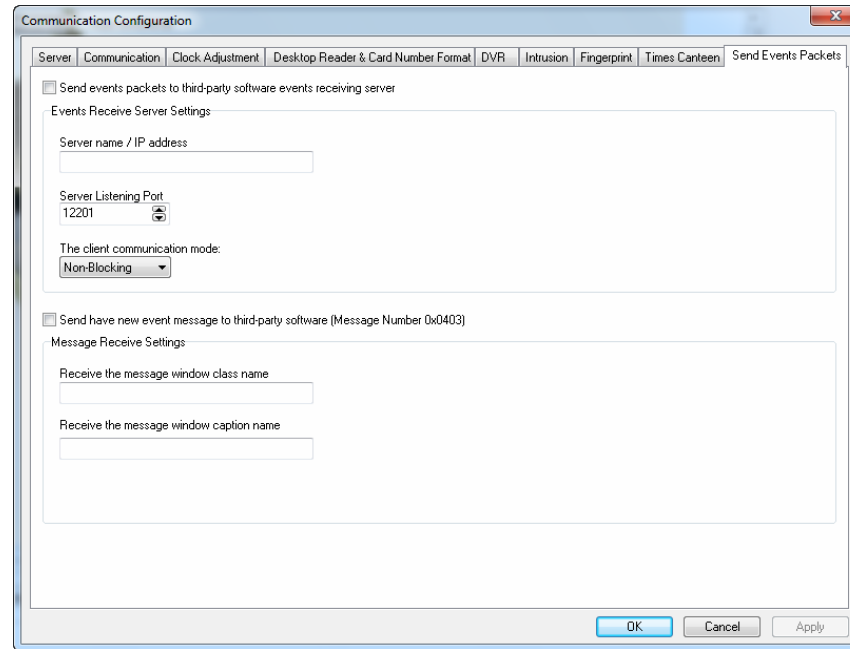


Figure 7-8-9-1

7.9 Alert Email Notification

The SECUSYS 2000 software allows the automatic sending of an email in response to a certain event. Up to 3 emails can be sent per event. This is similar to the “Events Alerts” as described in section 7.3. (figure 7-9-1). Clicking on the Alert Email Notification menu item on the Setup menu will give the user 3 options, Access, Intrusion and CCTV Alert Email Notification (figure 7-9-1). For the purposes of the following examples the Access Alert email notification sub menu item is explained however these 3 are all very similar in the setup.

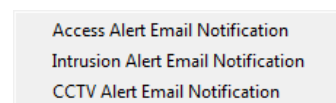


Figure 7-9-1

Upon selecting Access Alert Email Notification the Alert Email Notification screen will appear (figure 7-9-2)

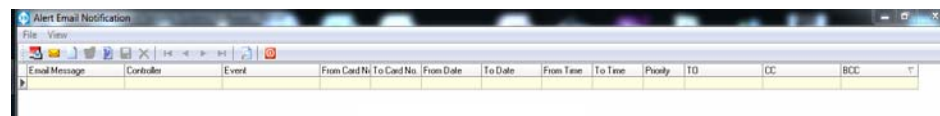


Figure 7-9-2

7.9.1 SMTP Setup:

Click on the 1st icon of the Alert Email Notification screen or select “File, SMTP Setup” to setup the Outgoing Mail Server (SMTP) for sending emails. It should be the same SMTP server and settings as used for MS Outlook. Contact the network administrator for this information if it is unknown. The example below shows the setup for Gmail (figure 7-9-1-1). Note that the TLS Encryption using port 587 is not supported and SSL encryption using port 465 will need to be used instead.

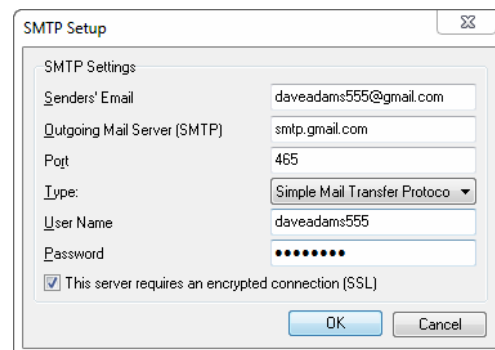


Figure 7-9-1-1

7.9.2 Send Test Email:

After setting up the SMTP settings in the previous section it is advisable to send a test email. **However an email message must firstly be added under the next section, 7.9.3 before attempting to send a test email. Complete section 7.9.3 then return to this section to send a test email.** Click on the 2nd icon, Send a test Alert Email or select the same option from the file menu. Click "File, An email with the title "This is a test email" should be received in the email boxes. Please make sure this Host PC can go online connecting the Internet. If a mistake in "SMTP Setup" was made, it will be impossible to send an email to these email boxes. If the test email is sent successfully, the Test email sent successfully message will appear (figure 7-9-2-1)

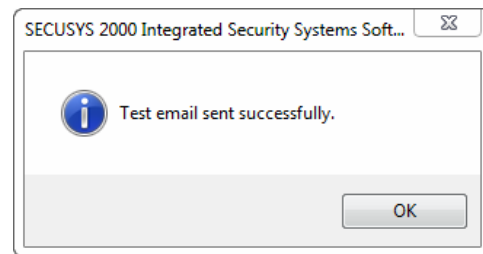
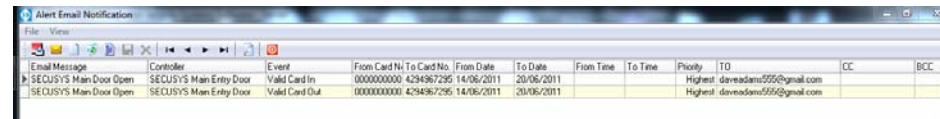


Figure 7-9-2-1

7.9.3 New Alert Email Notification:

To set up an alert email notification click on the 3rd icon, New Alert Email Notification or select the same option from the file menu. This screen will setup the events which will send an automatic email (figure 7-9-3-1). The advantage of this function is that a user can be notified of the Event while remote from the system.



- Email Message:** Enter the type of message that will be sent
- Controller:** Select a controller from the drop down menu
- Event:** What even will trigger the email
- From Card No:** If selected cards are required enter the card numbers otherwise leave as default for all cards
- Date/Time:** Enter the dates and times that the sending of an email is required
- Priority:** Enter a priority from the drop down menu
- TO, CC, BCC:** Enter the email addresses for the addressees

7.10 Area Name

Clicking on the Area Name menu item on the Setup menu opens the Area Name screen (figure 7-10-1). If Anti Passback or Time & Attendance is being used then area names may required to be changed to accurately reflect the actual area. Click the “Rename” button to rename an area.

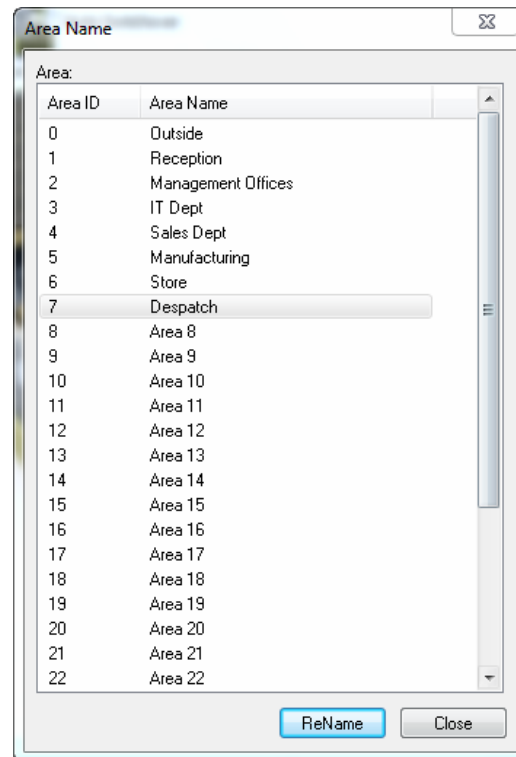


Figure 7-10-1

7.11 Saved Events

Clicking on the Saved Events menu item on the Setup menu will give the user 3 options, Access, Intrusion and CCTV Saved Events (figure 7-11-1). For the purposes of the following examples the Access Saved Events sub menu item is explained however these 3 are all identical in the setup, just the events change.

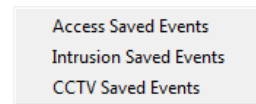


Figure 7-11-1

The Saved Events screen allows the user to select or deselect any events that are not required to be saved in the memory of the controller. By default, all events are saved but there may be occasions where certain events are not required to be saved.

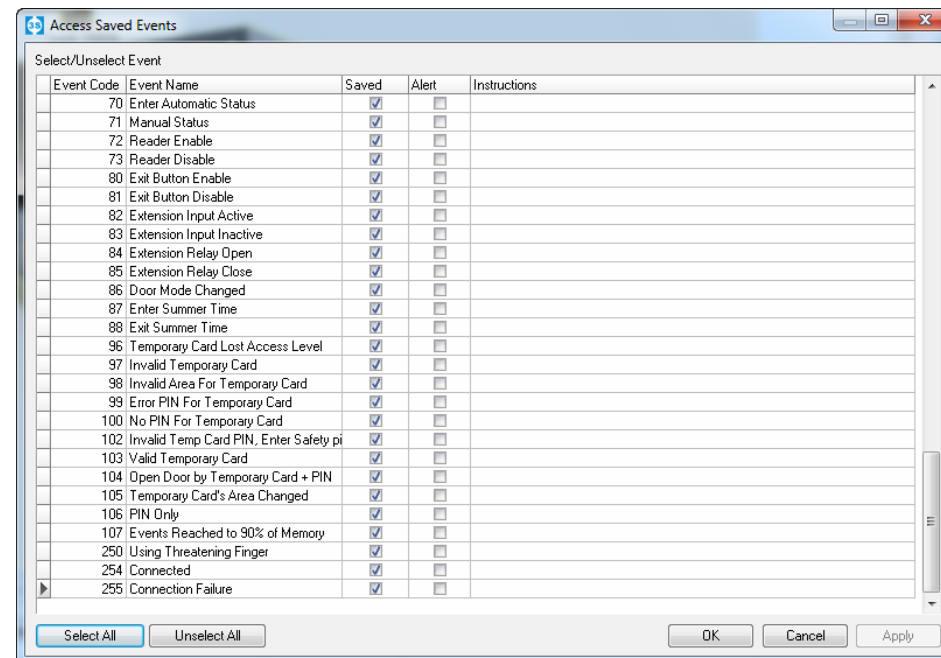
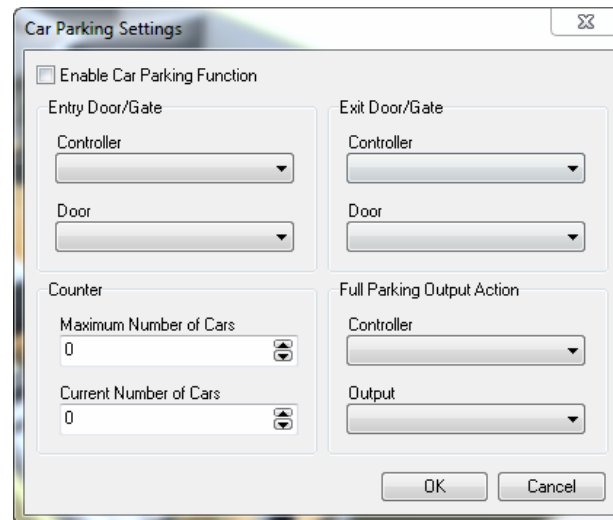


Figure 7-11-2

7.12 Car Parking

Clicking on the Car Parking menu item on the Setup menu opens the Car Parking Settings screen (figure 7-12-1). Car Parking control can be achieved in a parking building by counting the number of cars entering and leaving and limiting the maximum number when the carpark is full. Once the carpark is full, ie the maximum number of cards has been reached an output will be activated (figure 7-12-1) This output can turn on a red traffic light or Carpark Full sign. This feature requires the SECUSYS 2000 software to be online. A Car Parking Counter can be displayed on the software that keeps a running total of the car parking information, refer section 8-12.



The 'Car Parking Settings' dialog box is a standard Windows-style window with a title bar and a close button. It contains several sections for configuring car parking functionality. At the top, there is a checkbox labeled 'Enable Car Parking Function'. Below this, the settings are organized into four main areas: 'Entry Door/Gate', 'Exit Door/Gate', 'Counter', and 'Full Parking Output Action'. Each of these areas contains dropdown menus for 'Controller' and 'Door' (except for 'Full Parking Output Action' which has 'Controller' and 'Output'). The 'Counter' section includes two numeric spinners for 'Maximum Number of Cars' and 'Current Number of Cars', both currently set to 0. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Section	Parameter	Value / Option
Entry Door/Gate	Controller	[Dropdown]
	Door	[Dropdown]
Exit Door/Gate	Controller	[Dropdown]
	Door	[Dropdown]
Counter	Maximum Number of Cars	0
	Current Number of Cars	0
Full Parking Output Action	Controller	[Dropdown]
	Output	[Dropdown]

Figure 7-12-1

Chapter 8 Monitor

The Monitor menu is where the operator can set up the SECUSYS 2000 software with their own screen preferences. Each operator can customize the screen to exactly what they wish to display then save it under the Window, Save Desktop menu item. When the same operator logs on then their saved desktop will appear. The reason that this is done is because there is just so much information that can be viewed and different sites will have different requirements on what an operator needs to be able to see. So all this menu does is to set up the screen to show what the operator requires to see.

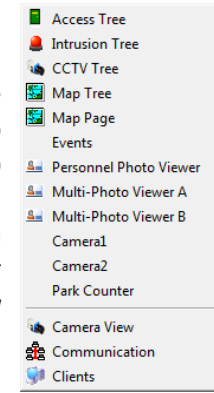


Figure 8-1

Controller Manager

When any of the 1st 3 trees are opened, then a small tab will appear to the left of the Windows. This is the Controller Manager (figure 8-2).

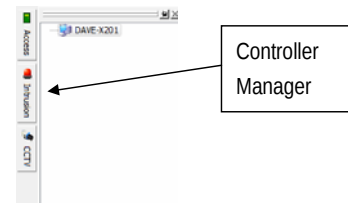


Figure 8-2

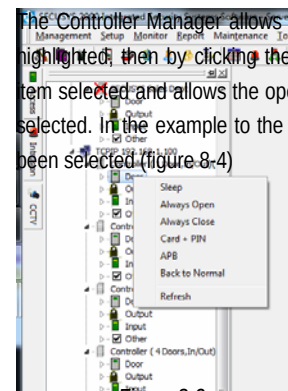


Figure 8-3

8.1 Access Tree

Clicking on the Access Tree menu item will display the Access Tree (figure 8.1.1)

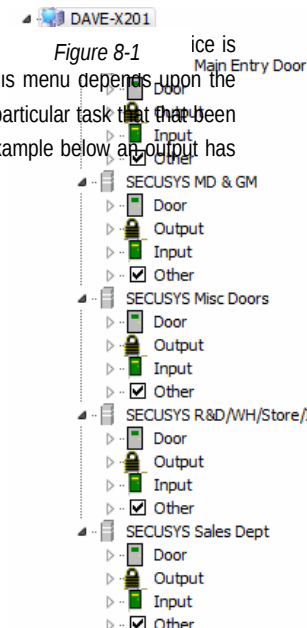


Figure 8-4

8.2 Intrusion Tree

Clicking on the Intrusion Tree menu item will display the Intrusion Tree which is very similar to the Access Tree (figure 8.1.1)

8.3 CCTV Tree

Clicking on the CCTV Tree menu item will display the CCTV Tree which is very similar to the Access Tree (figure 8.1.1)

Figure 8-1-1

8.4 Map Tree

Clicking on the Map Tree menu item will display the Map Tree panel on the left hand side of the screen and will show any maps that have previously been created under the Setup, map menu item, section 7.4 (figure 8-4-1).

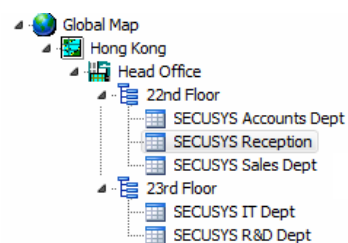


Figure 8-4-1

8.5 Map Page

Clicking on the Map Page menu item will display the Map Page box to the right of the Map Tree panel and will show the master map that has previously been created under the Setup, map menu item, section 7.4 (figure 8-5-1).



Figure 8-5-1

8.6 Events

Clicking on the Events menu item will allow the user to select from 9 different types of events (figure 8-6-1)

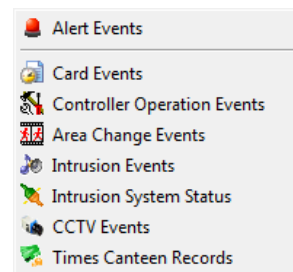


Figure 8-6-1

The user can monitor all of these different types of events concurrently. Click on each of the events once to add them to the taskbar at the bottom of the Events Screen. (figure 8-6-2)

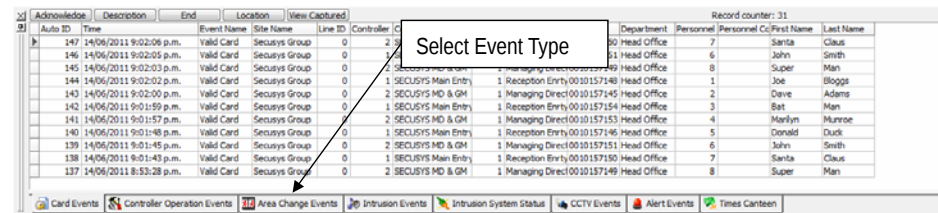


Figure 8-6-2

All these events are self explanatory and apply to the respective category selected. The Area Changed events are created only if Anti Passback is activated. Double clicking on an event will open the relevant "Personnel Information" as described in Section 7.2.2. It allows the user to change the information or even enroll a new card and person to the SECUSYS 2000 software (if the user has the privileges). Highlight an event then right clicking on the event will allow us to select which fields/events to view (figure 8-6-3) or to view the captured image (figure 8-6-4). It also allow the operator to tick the box called "Personal Photo Viewer" The Personal Photo Viewer is a box that is located on the right hand side of the screen and contains the basic information for an employee and their photo (figure 8-7-1)

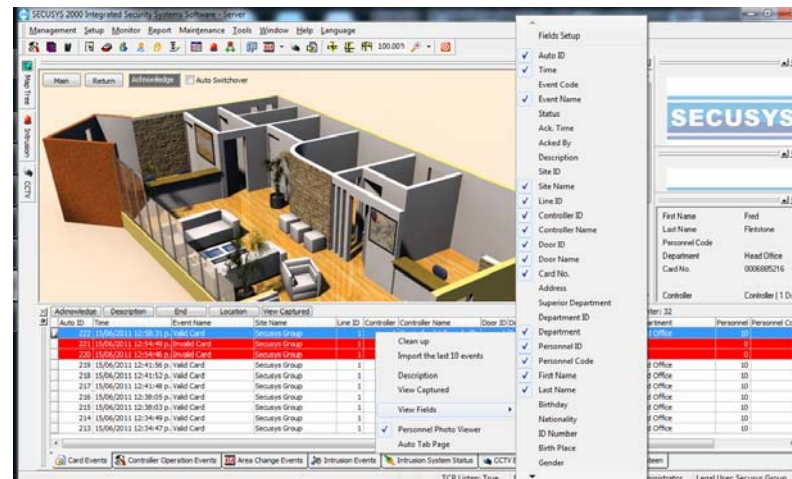


Figure 8-6-3

The "View Captured Image" (figure 8-6-4) allows an operator to view the key details about this person and also if a CCTV camera is connected via the DVR interface an image of the person using the card to gain access can be compared with the photo on file.

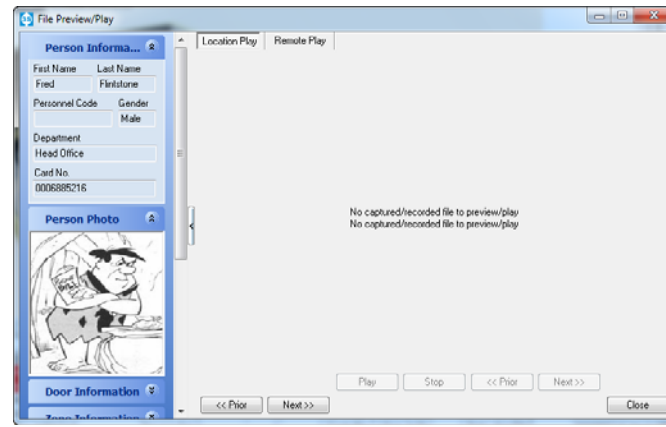


Figure 8-6-4

8.7 Personal Photo Viewer

The Personal Photo Viewer provides a fixed window where the details of the person who just flashed their card are listed. These details include the persons photo on file, their name, department, the card number and the controller and door where the card was presented (figure 8-7-1).



Figure 8-7-1

In addition a small MSN Messenger style popup window will appear giving basically the same information but this will only appear for 3 seconds where as the Personal Photo Viewer main window is fixed and remains as part of the screen setup if selected.



Figure 8-7-2

8.8 Multi Photo Viewer A

Clicking the Multi Photo Viewer A menu option will open the Multi Photo Viewer A screen (figure 8-8-1). This screen is used to display the images and key details for the last 4 access events with the very last event appearing in the large window on the left hand side.

	First Name:	Dave		First Name:	Pamela
	Last Name:	Adams		Last Name:	Anderson
	Personal Code:			Department:	Head Office
	Department:	Head Office		Card Sector:	0007161754
	Card Offset:			First Name:	Fred
				Last Name:	Flintstone
				Department:	Head Office
				Card Sector:	
				First Name:	Margaret
				Last Name:	Thatcher
				Department:	Head Office
				Card Sector:	

Figure 8-8-1

8.9 Multi Photo Viewer B

Clicking the Multi Photo Viewer B menu option will open the Multi Photo Viewer B screen (figure 8-9-1). This screen is similar to the last one and is used to display the images and key details for the last 4 access events however in a slightly different format. The window size and shape can be adjusted to get the desired effect.

First Name: Margaret	First Name: Pamela	First Name: Fred	First Name: Dave
Last Name: Thatcher	Last Name: Anderson	Last Name: Flintstone	Last Name: Adams
Department: Head Office	Department: Head Office	Department: Head Office	Department: Head Office
Event:	Event:	Event:	Event:
Valid Card:	Valid Card:	Valid Card:	Valid Card:

Figure 8-9-1

8.10 Camera1

Clicking the Camera1 menu option will open the Camera1 screen (figure 8-10-1).

This section to be completed

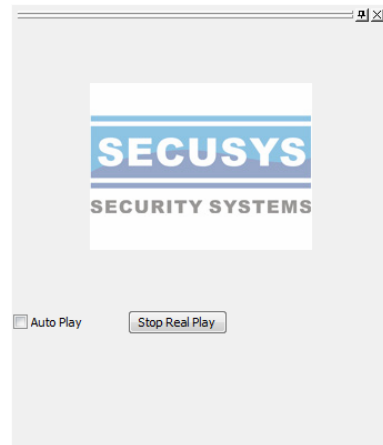


Figure 8-10-1

8.11 Camera2

Refer section 8.11, Camera1.

8.12 Parking Counter

Clicking the Parking Counter menu option will open the Car Parking Counter window (figure 8-12-1). If car parking has been set up under section 7.12 then car parking information will appear here.

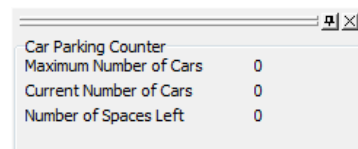


Figure 8-12-1

8.13 Camera Preview

Clicking the Camera Preview menu option will open the Camera Preview window (figure 8-13-1). Clicking the

View Page tab in the bottom right hand corner of the CCTV Preview screen will open the view page screen where the operator can select the layout of the screen that they require (figure 8-13-2).

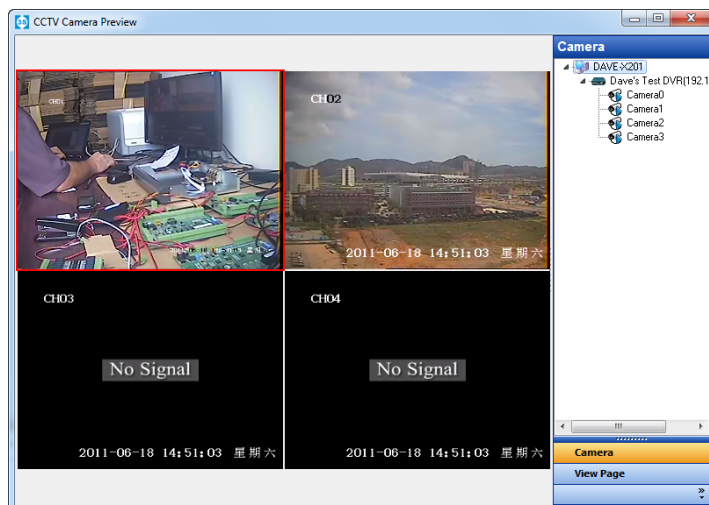


Figure 8-13-1

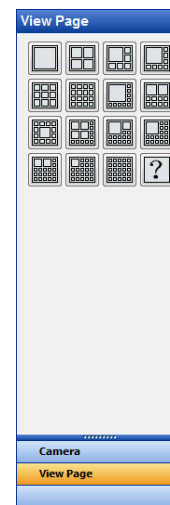


Figure 8-13-2

8.14 Communication

The Monitor Communication screen allows communication with the controllers and any connected Fingerprint readers to be viewed (figure 8-13-1). It shows what PC ports the SECUSYS 2000 software is currently using for communicating to the controllers and Fingerprint Readers and the actual downloading information will appear if the database parameters are downloaded to the controllers.

Line ID	COM/IP	Status	Description	Progress
0	COM4		Downloading registered temporary cards to controller No...	
1	192.168.1.100			
2	COM1			

Figure 8-14-1

8.15 Clients

The Monitor Clients screen allows the operator to view any clients that are currently connected to the SECUSYS 2000 Database.

Client	Application Name	User	Login Time	The Last Time
Figure 8-15-1				

Chapter 9 Report

The Report menu allow the operator to select from a wide variety of reports and to customize reports.

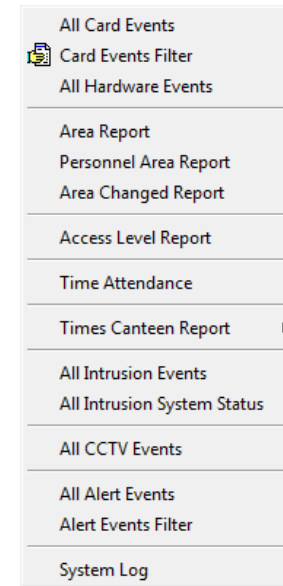


Figure 9-1

9.1 All Card Events

Generate a report with all the card events (figure 9-1-1). All card events include by default Invalid Card events.

Event Report													
File View													
File	Size	Time	Event Name	Site Name	Line	Ctrl	Controller Name	Host	Event Name	Card No.	Department	Personnel	First Name
125	15/06/2017	1:54:58 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006576	Head Office	10	Ford
126	15/06/2017	1:54:58 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006576	Head Office	10	Ford
127	15/06/2017	1:54:58 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006576	Head Office	12	Crane
128	15/06/2017	1:54:58 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006576	Head Office	10	Ford
129	15/06/2017	1:54:58 p.m	Invalid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585			
130	15/06/2017	1:55:05 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006576	Head Office	12	Crane
131	15/06/2017	1:55:06 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006584	Head Office	11	Palms
132	15/06/2017	1:55:07 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006582	Head Office	10	Ford
133	15/06/2017	1:55:08 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	10	Ford
134	15/06/2017	1:55:09 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006582	Head Office	13	Margaret
135	15/06/2017	1:55:09 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
136	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
137	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
138	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
139	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
140	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
141	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
142	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
143	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
144	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
145	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
146	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
147	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
148	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
149	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
150	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
151	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
152	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
153	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
154	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
155	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
156	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
157	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
158	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
159	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
160	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
161	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
162	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
163	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
164	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
165	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
166	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
167	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
168	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
169	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
170	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
171	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
172	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
173	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
174	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
175	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
176	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
177	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
178	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
179	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
180	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
181	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
182	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
183	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
184	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
185	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
186	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
187	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
188	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
189	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
190	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
191	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
192	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
193	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
194	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
195	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
196	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
197	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
198	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
199	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
200	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
201	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
202	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
203	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
204	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
205	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
206	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
207	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
208	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
209	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
210	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
211	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
212	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
213	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
214	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
215	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
216	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(000)	000006585	Head Office	13	Margaret
217	15/06/2017	1:55:10 p.m	Valid Card	Security Group	1	Controller	1	One In-Out	1 Entry done(0				

Figure 9-1-1

The File menu has two options. The 1st is Delete Record. This is very powerful and can delete all the Card Records if done incorrectly. Only the administrator should have this function. The 2nd option in the File menu is "View Captured". Highlight a particular access event then click this menu item. The File/Preview Play window will appear (figure 9-1-2)

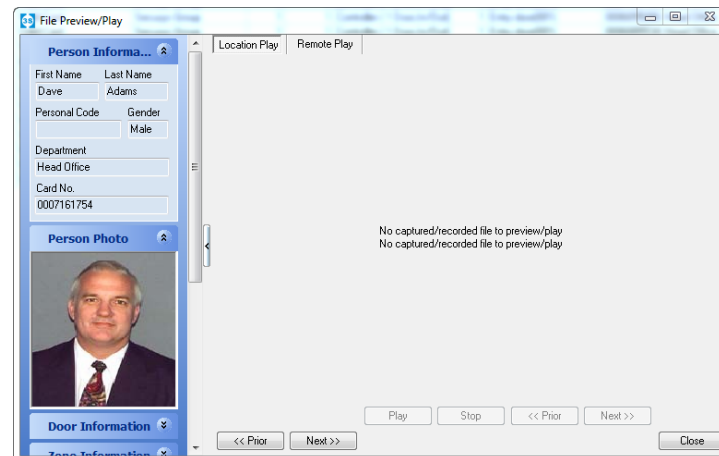


Figure 9-1-2

The View menu has a few more options (figure 9-1-3) Here a Filter can be used to search for certain records and once found the export the report to an MS-Excel file. The report can be viewed in a Preview mode so it will be suitable for printing.

Clicking on the Filter in View menu brings up the Filter screen (figure 9-1-4). To locate a record click on the field that you wish to search by, enter a starting date and an ending date then click OK. Any records that exist conforming with your search criteria will be listed.

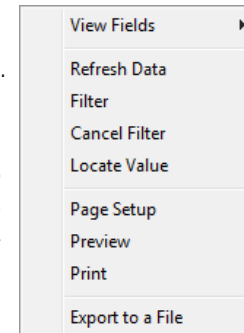


Figure 9-1-3

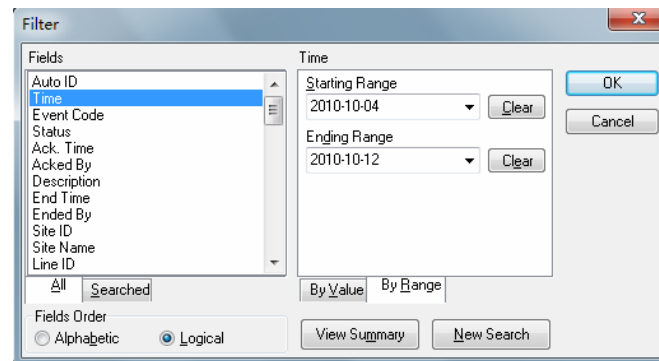


Figure 9-1-4

Records can also be searched by value by clicking on the By Value tab (figure 9-1-5)

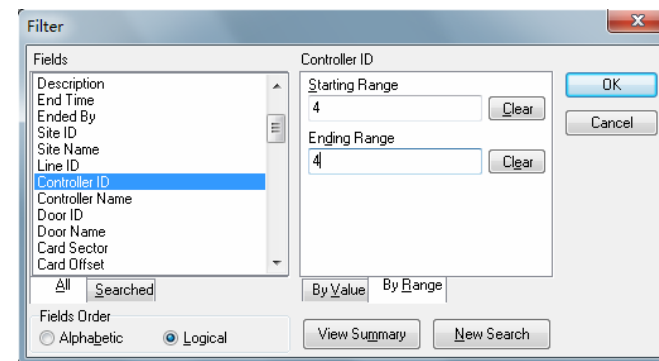


Figure 9-1-5

A record can also be searched for a particular value. Click on Locate in View menu and the Locate Screen appears (figure 9-1-6). Clicking on the drop down box under the Fields label will list the fields on which a search can be made. Enter your data, tick any required boxes then click "First" to find the 1st entry conforming to the data then "Next" to find any subsequent matches.

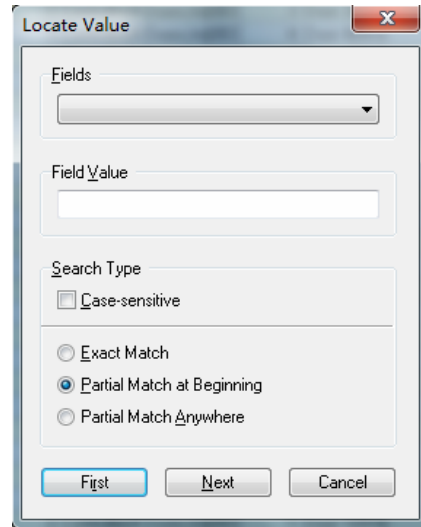
The image shows a Windows-style dialog box titled "Locate Value". It has a standard title bar with a close button (X). The dialog is divided into several sections. The first section is labeled "Fields" and contains a dropdown menu. The second section is labeled "Field Value" and contains a text input field. The third section is labeled "Search Type" and contains three radio button options: "Case-sensitive" (which is unchecked), "Exact Match", and "Partial Match at Beginning" (which is selected). Below these options are three buttons: "First", "Next", and "Cancel".

Figure 9-1-6

9.2 Cards Events Filter

Different queries can be run to get specific event records regarding different personnel, departments, doors, or events. Once the query has been run it can be viewed, printed or exported. In the example below event records are required for Dave Adams for the date range specified and for all doors and all events (figure 9-2-1). Clicking Ok will result in the Query Result screen being shown (figure 9-2-2)

Figure 9-2-1

Date	Time	Event Name	Site Name	Line	Controller Name	Door	Door Name	Card No.	Department	Personnel	First Name
15/06/2011	9:04:55 a.m	Valid Card	Securus Group	0	SECUSYS Main Entry Do	1	Reception Entry	0007161754	Head Office	12	Dave
15/06/2011	10:03:56 p.	Valid Card	Securus Group	0	SECUSYS Main Entry Do	1	Reception Entry	0007161754	Head Office	12	Dave
15/06/2011	9:52:23 p.m	Valid Card	Securus Group	0	SECUSYS Main Entry Do	1	Reception Entry	0007161754	Head Office	12	Dave
15/06/2011	9:46:44 p.m	Valid Card	Securus Group	0	SECUSYS Main Entry Do	1	Reception Entry	0007161754	Head Office	12	Dave
15/06/2011	9:44:14 p.m	Invalid Card	Securus Group	0	SECUSYS Main Entry Do	1	Reception Entry	0007161754	Head Office	12	Dave
15/06/2011	6:18:02 p.m	Valid Card	Securus Group	1	Controller (1 Door In/Out)	1	Entry door(001)	0007161754	Head Office	12	Dave
15/06/2011	6:17:57 p.m	Valid Card	Securus Group	1	Controller (1 Door In/Out)	1	Entry door(001)	0007161754	Head Office	12	Dave
15/06/2011	6:17:51 p.m	Valid Card	Securus Group	1	Controller (1 Door In/Out)	1	Entry door(001)	0007161754	Head Office	12	Dave

Figure 9-2-2

Clicking on the View menu from the Query result screen brings up the View menu (figure 9-2-3). This menu allows for the following:

View Fields:	Fields can be setup
Refresh Data:	Refreshes the query screen data
Filter:	Brings up the Filter Search screen, figures 9-1-4 and 9-1-5
Cancel Filter:	Cancels the filter
Locate Value:	Brings up the Locate value screen, figure 9-1-6
Page Setup:	Allows the font to be selected and margins set
Preview:	Previews the print screen of the run query
Print:	Prints the query screen
Export to a File:	Exports the query in multiple file formats (figure 9-2-4)
Close:	Closes this menu

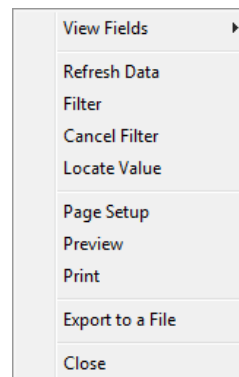


Figure 9-2-3

Microsoft Excel (*.xls)
Text File (*.txt)
HTML File (*.html;*.htm)
RTF File (*.rtf)
CSV File (Comma)(*.csv)

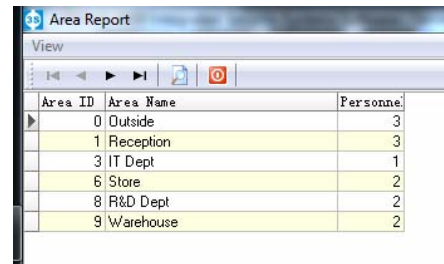
Figure 9-2-4

9.3 All Hardware Events

This shows all the hardware events and is similar in operation to the Card Events, section 9-1. Hardware Events can be filtered, previewed, printed and exported as per the previous section.

9.4 Area Report

If Time & Attendance or Anti Passback is being used then the operator may need to know how many staff are in each of the areas. The Area Report provides us with this kind of information. It has the same features in its View menu like previous reports covered in sections 9-1 to 9-3. Note that for the area counting to work, either the doors sensor must operate, or, in the Setup, Communication Configuration, Communication Tab box for processing an event with no sensor operation needs to be checked. Plus card readers need to be set up as Entry/Exit readers and areas allocated, see Setup, Hardware, Door Configuration.

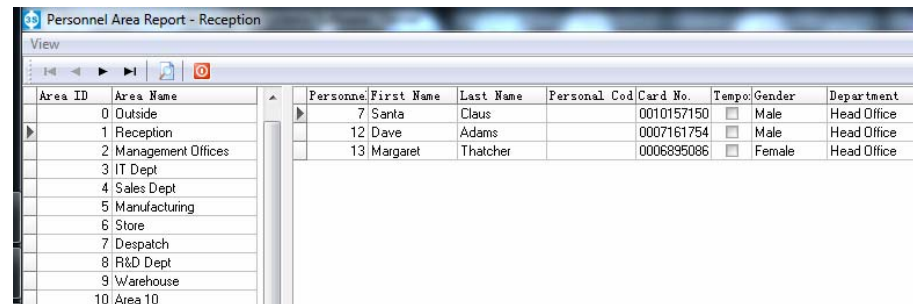


Area ID	Area Name	Personne
0	Outside	3
1	Reception	3
3	IT Dept	1
6	Store	2
8	R&D Dept	2
9	Warehouse	2

Figure 9-4-1

9.5 Personnel Area Report

Personnel Area Report allows us to see the Personnel currently in each area. It has the same features in its View menu as the reports covered in sections 9.1 to 9.3. Both this report and the Area Report (Section 9.4) can be used in emergency cases where security would like to evacuate the building immediately. In this way they can know where each employee is and know which areas are occupied or empty. In the below example there are currently 3 people in the Reception Area (figure 9-5-1)



Area ID	Area Name	Personne	First Name	Last Name	Personal Cod	Card No.	Tempo	Gender	Department
0	Outside								
1	Reception	7	Santa	Claus		0010157150	☐	Male	Head Office
2	Management Offices	12	Dave	Adams		0007161754	☐	Male	Head Office
3	IT Dept	13	Margaret	Thatcher		0006895086	☐	Female	Head Office
4	Sales Dept								
5	Manufacturing								
6	Store								
7	Despatch								
8	R&D Dept								
9	Warehouse								
10	Area 10								

Figure 9-5-1

9.6 Area Changed Report

The Area Changed Report tracks how employees are moving inside the buildings/offices from one area to the other. This can help us to trace a certain person, see where he was and when, in case we need to investigate. One of the cases this report is used, is to know who caused damage to equipment of the office etc. It has the same features in its View menu like the reports described in Sections 9.4 to 9.5. Anti Passback must be activated and properly used.

9.7 Access Level Report

The Access Level Report lists all the card users and their respective access levels for every door on the system. So it can be quite long. However the View menu allows us to filter as per previous sections of this menu.

Personnel	First Name	Last Name	Personal Card No.	Department	Control	Door ID	Door Name	Time Table
1	Joe	Bloggs	0010157148	Head Office	11	7	Output 7(011)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	11	8	Output 8(011)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	1	1	Entry door(001)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	1	2	Exit door(001)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	2	1	Door 1(002)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	2	2	Door 2(002)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	3	1	Door 1(003)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	3	2	Door 2(003)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	3	3	Door 3(003)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	3	4	Door 4(003)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	1	Entry door 1(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	2	Exit door 1(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	3	Entry door 2(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	4	Exit door 2(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	5	Entry door 3(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	6	Exit door 3(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	7	Entry door 4(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	4	8	Exit door 4(004)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	1	Door 1(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	2	Door 2(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	3	Door 3(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	4	Door 4(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	5	Door 5(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	6	Door 6(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	7	Door 7(005)	24 Hours Time Table
1	Joe	Bloggs	0010157148	Head Office	5	8	Door 8(005)	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	1	1	Reception Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	1	2	Reception Exit	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	2	1	Managing Director	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	2	2	General Manager	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	3	1	Canteen	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	3	2	Stationery	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	3	3	Rear Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	3	4	Finance Manager	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	1	R&D Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	2	R&D Exit	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	3	Warehouse Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	4	Warehouse Exit	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	5	Store Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	6	Store Exit	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	7	IT Entry	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	4	8	IT Exit	24 Hours Time Table
2	Dave	Adams	0010157145	Head Office	5	1	Sales Main	24 Hours Time Table

Figure 9-7-1

9.8 Time & Attendance Report

The Time and Attendance Report lists all the card users and their respective access levels for every door on the system.

Figure 9-8-1

Once the required information has been inputted and the OK has been clicked, the Time and Attendance Daily report can be viewed (figure 9-8-2)

Time and Attendance Daily Report Print Date: 16/06/2011 12:25:27 pm

1/06/2011

Personnel Code	First Name	Last Name	Department	In	Out	Total	OverTime	Late In	Early Out	Day	Remarks
	John	Blagg	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Don	Adams	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Est	Hay	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Harlan	Munro	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Donald	Duck	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	John	Smith	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Sara	Gunn	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Super	Man	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Fred	Perstone	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Parole	Anderson	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Dave	Adams	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Margaret	Truher	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
	Ulysses	St-Laden	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Wednesday	Absence
Summary											
Total No. of Absent days:				13							
Total No. of Late In days:				0							
Total No. of Early Out days:				0							
Total Late In Time:				00:00							
Total Early Out Time:				00:00							

2/06/2011

Personnel Code	First Name	Last Name	Department	In	Out	Total	OverTime	Late In	Early Out	Day	Remarks
	Margaret	Truher	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Thursday	Absence
	Don	Adams	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Thursday	Absence
	Parole	Anderson	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Thursday	Absence
	Fred	Perstone	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Thursday	Absence
	Super	Man	HeadOffice	00:00	00:00	00:00	00:00	00:00	00:00	Thursday	Absence

1

Figure 9-8-2

9.9 Times Canteen Report

This section yet to be written

Recharge Detailed List
Issuing Subsidies Detailed List
Withdrawals Detailed List
Canteen Records
Department Repast1 Summary
Personnel Repast1 Summary List
Group Repast1 Summary List
Personnel Repast1 Daily Report

9.10 All Intrusion Events

This section yet to be written

9.11 All Intrusion Events Status

This section yet to be written

9.12 All CCTV Events

This section yet to be written

9.13 All Alerts Events

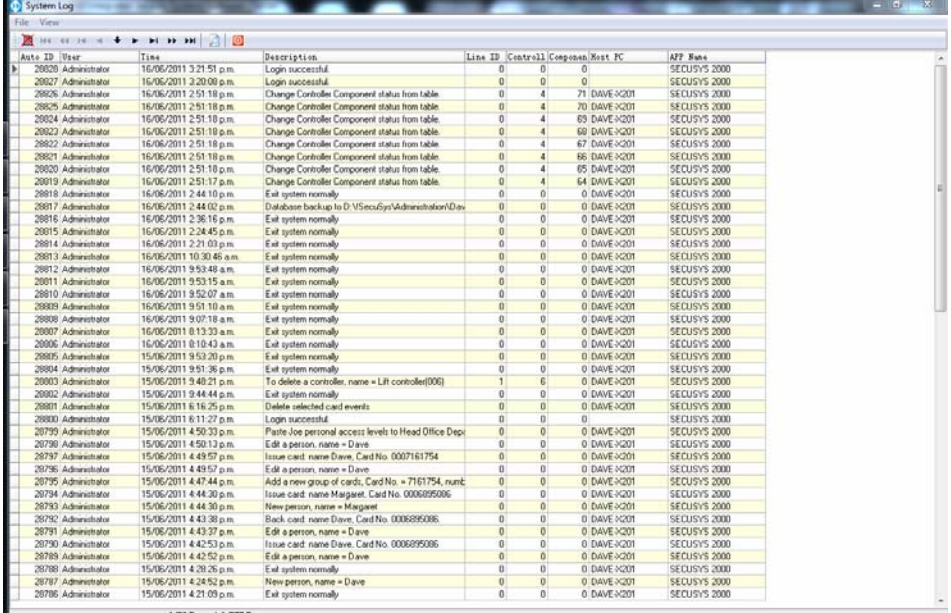
This section yet to be written

9.14 Alert Events Filter

This section yet to be written

9.15 System Log

The System Log shows us which SECUSYS 2000 operator was logged on and when. It also shows us what kind of actions the operator took. This audit trail is essential if an investigation into an event takes place. The System Log has the same features in the View menu like the previous reports covered in sections 9.1 to 9.3.



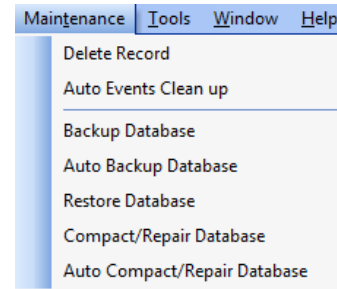
The screenshot shows the 'System Log' window with a menu bar (File, View) and a toolbar. The main area displays a table of system events. The table has columns: Auto ID, User, Time, Description, Line ID, Control, Component, Host PC, and App Name. The events are listed chronologically, starting from 16/06/2011 5:21:51 p.m. and ending at 15/06/2011 4:21:03 p.m. The events include login attempts, status changes, database backups, and card management actions.

Auto ID	User	Time	Description	Line ID	Control	Component	Host PC	App Name
20020	Administrator	16/06/2011 5:21:51 p.m.	Login successful	0	0	0		SECUSYS 2000
20027	Administrator	16/06/2011 5:20:09 p.m.	Login successful	0	0	0		SECUSYS 2000
20026	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	71	DAVE-V201	SECUSYS 2000
20025	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	70	DAVE-V201	SECUSYS 2000
20024	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	69	DAVE-V201	SECUSYS 2000
20022	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	68	DAVE-V201	SECUSYS 2000
20022	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	67	DAVE-V201	SECUSYS 2000
20021	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	66	DAVE-V201	SECUSYS 2000
20020	Administrator	16/06/2011 5:21:18 p.m.	Change Controller Component status from table	0	4	65	DAVE-V201	SECUSYS 2000
20019	Administrator	16/06/2011 5:21:17 p.m.	Change Controller Component status from table	0	4	64	DAVE-V201	SECUSYS 2000
20018	Administrator	16/06/2011 5:44:10 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20017	Administrator	16/06/2011 5:44:02 p.m.	Database backup to D:\SECUSYS\Administration\Das	0	0	0	DAVE-V201	SECUSYS 2000
20016	Administrator	16/06/2011 5:36:16 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20015	Administrator	16/06/2011 5:24:45 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20014	Administrator	16/06/2011 5:21:03 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20013	Administrator	16/06/2011 10:30:46 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20012	Administrator	16/06/2011 9:53:48 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20011	Administrator	16/06/2011 9:53:15 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20010	Administrator	16/06/2011 9:52:07 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20009	Administrator	16/06/2011 9:51:10 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20008	Administrator	16/06/2011 9:07:18 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20007	Administrator	16/06/2011 8:13:33 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20006	Administrator	16/06/2011 8:10:43 a.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20005	Administrator	15/06/2011 9:53:20 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20004	Administrator	15/06/2011 9:51:36 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20003	Administrator	15/06/2011 9:40:21 p.m.	To delete a controller, name = Lift controller(006)	1	6	0	DAVE-V201	SECUSYS 2000
20002	Administrator	15/06/2011 9:44:44 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20001	Administrator	15/06/2011 6:16:25 p.m.	Delete selected card events	0	0	0	DAVE-V201	SECUSYS 2000
20000	Administrator	15/06/2011 6:11:27 p.m.	Login successful	0	0	0		SECUSYS 2000
20799	Administrator	15/06/2011 4:50:33 p.m.	Print Joe personal access levels to Head Office Dept	0	0	0	DAVE-V201	SECUSYS 2000
20790	Administrator	15/06/2011 4:50:13 p.m.	Edit a person, name = Dave	0	0	0	DAVE-V201	SECUSYS 2000
20787	Administrator	15/06/2011 4:49:57 p.m.	Issue card, name Dave, Card No. 0007161754	0	0	0	DAVE-V201	SECUSYS 2000
20786	Administrator	15/06/2011 4:49:57 p.m.	Edit a person, name = Dave	0	0	0	DAVE-V201	SECUSYS 2000
20775	Administrator	15/06/2011 4:47:44 p.m.	Add a new group of cards, Card No. = 7161754, num	0	0	0	DAVE-V201	SECUSYS 2000
20784	Administrator	15/06/2011 4:46:30 p.m.	Issue card, name Margaret, Card No. 0006895006	0	0	0	DAVE-V201	SECUSYS 2000
20783	Administrator	15/06/2011 4:46:30 p.m.	New person, name = Margaret	0	0	0	DAVE-V201	SECUSYS 2000
20782	Administrator	15/06/2011 4:43:38 p.m.	Back card, name Dave, Card No. 0006895006	0	0	0	DAVE-V201	SECUSYS 2000
20781	Administrator	15/06/2011 4:43:37 p.m.	Edit a person, name = Dave	0	0	0	DAVE-V201	SECUSYS 2000
20780	Administrator	15/06/2011 4:42:53 p.m.	Issue card, name Dave, Card No. 0006895006	0	0	0	DAVE-V201	SECUSYS 2000
20789	Administrator	15/06/2011 4:42:52 p.m.	Edit a person, name = Dave	0	0	0	DAVE-V201	SECUSYS 2000
20788	Administrator	15/06/2011 4:26:26 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000
20787	Administrator	15/06/2011 4:24:52 p.m.	New person, name = Dave	0	0	0	DAVE-V201	SECUSYS 2000
20786	Administrator	15/06/2011 4:21:03 p.m.	Exit system normally	0	0	0	DAVE-V201	SECUSYS 2000

1/50 Record, 1/577 Page

Figure 9-15-1

Chapter 10 Maintenance



10.1 Delete Record

The Delete Record sub menu item brings up the “Delete Events from Database” screen (figure 10-1-1) This screen gives the user the option to delete one of more types of events simply by ticking the required box. Tick the type of event to be deleted then select a date to delete the records up to, or keep the last so many records, or Delete all records then click “OK”.

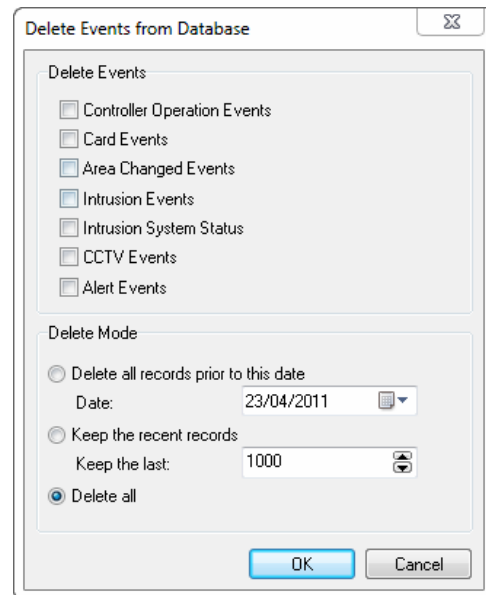


Figure 10-1-1

10.2 Auto Events Cleanup

The Auto Events Cleanup option is similar to “Delete Record” in section 10.1 but this option will be performed on a daily basis at a certain time (figure 10-2-1). Tick the required boxes and select the number of days and allocate a time for the deletion then click ok.

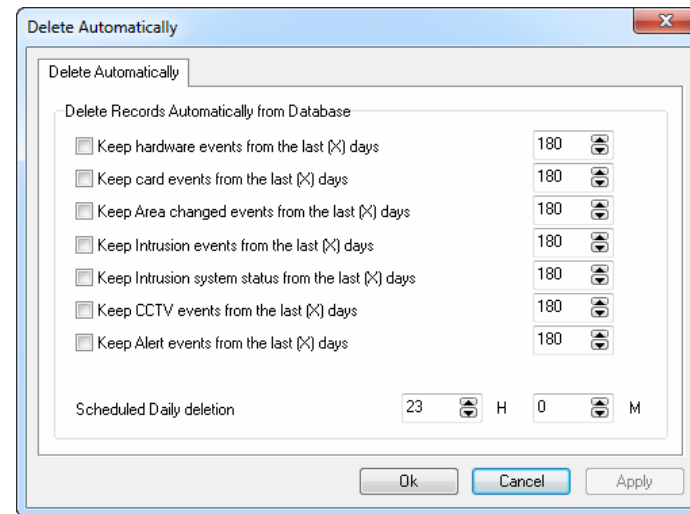


Figure 10-2-1

10.3 Backup Database

The user should backup the Database after any programming or personnel changes so that the data can be restored if required. Select "Backup Database" from the Maintenance menu (figure 10-3-1) Enter a backup file name then click "OK". The backup can take up to a few minutes with a large database (figure 10-3-2)

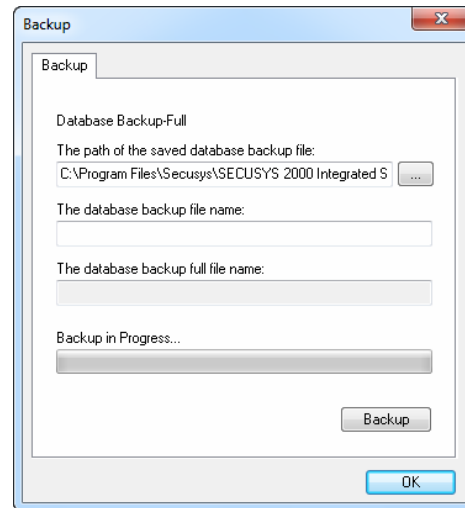


Figure 10-3-1

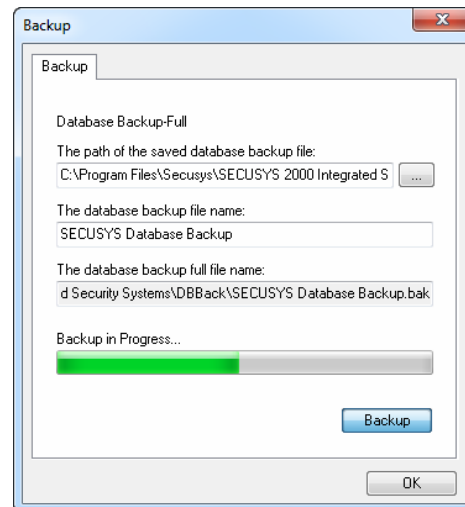


Figure 10-3-2

Once backed up successfully the backup successfully message will appear (figure 10-3-3)

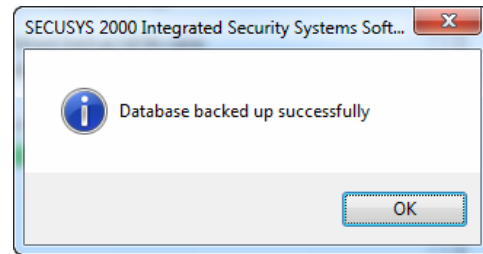


Figure 10-3-3

10.4 Auto Backup Database

The Auto Backup Database option allows the user to set a time and day for the database backup and this will then be done automatically (figure 10-4-1)

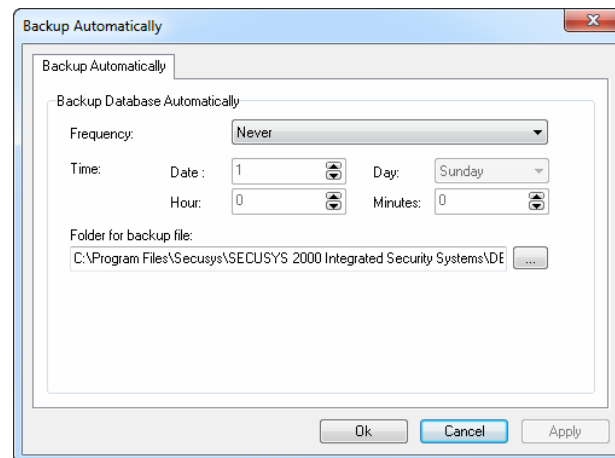


Figure 10-4-1

10.5 Restore Database

If the Database needs to be restored select "Restore Database" from the Maintenance menu. The restore needs full access to the database and if some other programs are using the database, the "Database Restore" option may not work. Disconnect any clients that may be using the database before restoring. Select the database that you wish to restore, this will normally be located in the C:\Program Files\Secusys\Secusys 2000\DBBack folder, and click ok (figure 10-5-1)

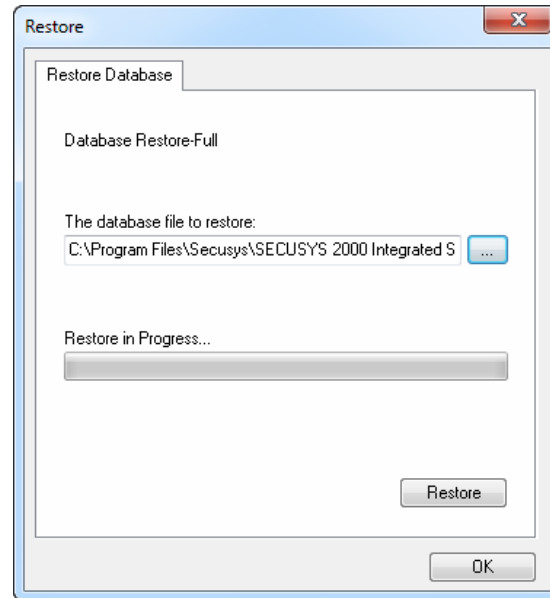


Figure 10-5-1

Before restoring a warning message will alert that the current database will be overwritten (figure 10-5-2). Click "Yes" to proceed

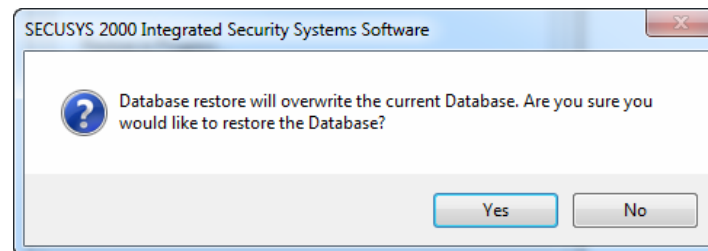


Figure 10-5-2

Once the database has been restored the software will need to be restarted. Click “OK” to restart (figure 10-11).

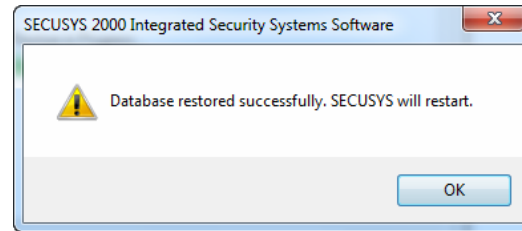


Figure 10-5-3

10.6 Compact/Repair Database

The Compact/Repair Database is used to reduce the size of the database and to correct any errors. This is like compressing the database to save space and make it more efficient. It is highly recommended to perform the Compact/Repair Database at least once a month. Note that any clients need to be disconnected from the server before this can proceed (figure 10-6-1)

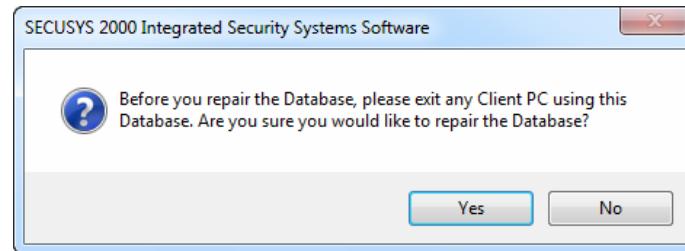


Figure 10-6-1

Once finished the Database repaired successfully screen will appear (figure 10-6-2)

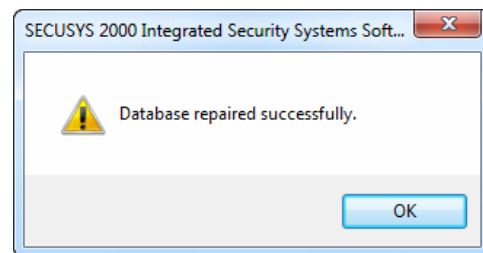


Figure 10-6-2

10.7 Auto Compact/Repair Database

The user can schedule an Automatic Compact/Repair to the Database instead of undertaking it manually as per the previous section. Select the Frequency from the drop down menu, set a Day and Time then click "OK" (figure 10-7-1)

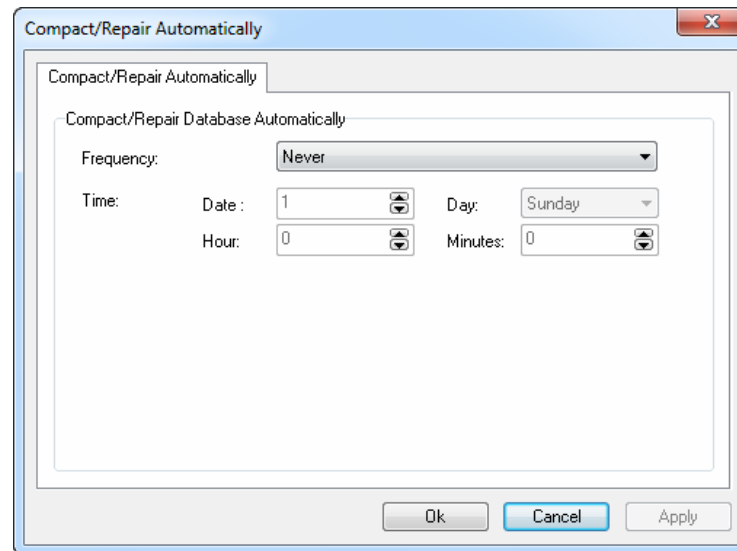
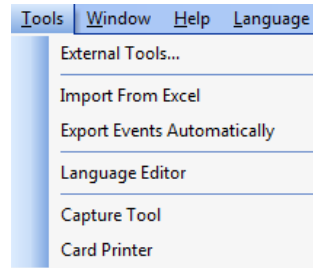


Figure 10-7-1

Chapter 11 Tools



11.1 External Tools

Clicking on the Tools, External Tools sub menu item will bring up the External Tools window (figure 11-1-1).

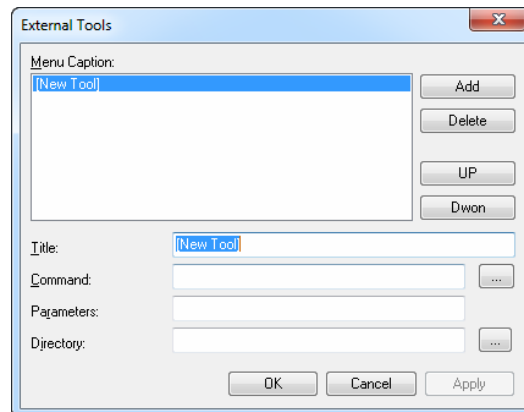


Figure 11-1-1

External Tools are effectively shortcuts to existing programs like DVR or CCTV for instance that are required to be opened from within the SECUSYS 2000 software. To add an already installed program, like Skype for instance, give it a title then select the path to the program .exe file then click “Apply” and “OK” (figure 11-1-2)

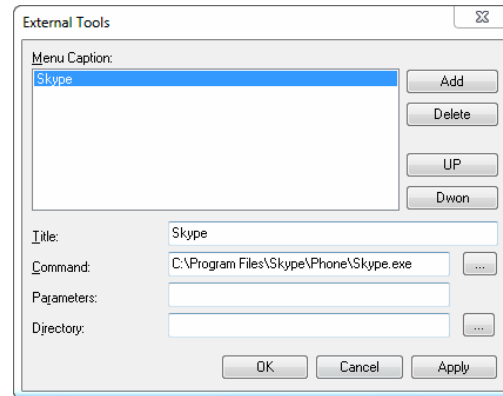


Figure 11-1-2

This program will now appear in the Tools menu and be able to be run directly from this menu (figure 11-1-3)

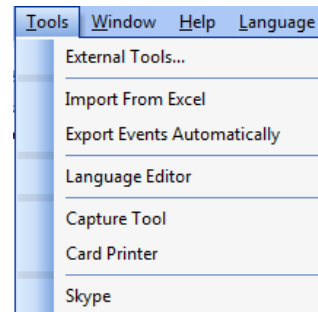


Figure 11-1-3

11.2 Import from Excel

SECUSYS 2000 allows the user to import data from an Excel file. The data can be taken from a 3rd party application like T&A software, Human Resources software or any other similar list of data.

The data fields which can be imported are Personnel ID, First Name, Last Name, Identity, Gender, Card Number and Departments. Before you proceed with importing, it's highly recommended to backup the current SECUSYS Database. Clicking on the Tools, Import from Excel sub menu item will bring up the Import Wizard (figure 11-2-1)

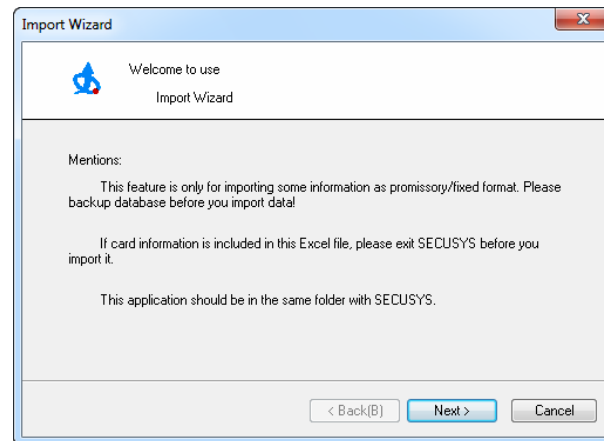


Figure 11-2-1

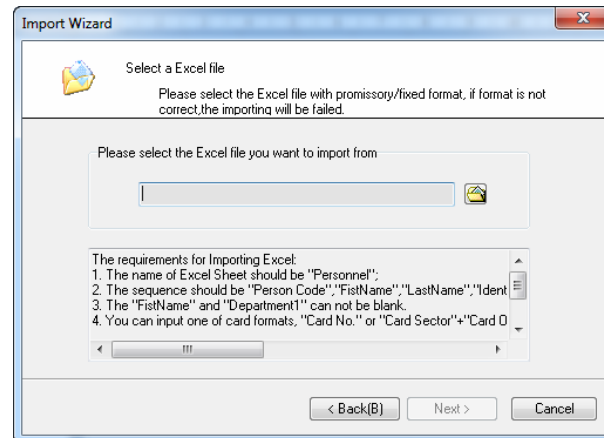


Figure 11-2-2

Read the following comments carefully. Inside the SECUSYS 2000 folder there is a folder named "Template", inside the Template folder there is a MS-Excel Template file called Personnel.xlt. Using Windows Explorer navigate to this file and open it with Microsoft Excel. Complete the information that is required to be imported into SECUSYS 2000 and save the file as an Excel 97-2003 Workbook (not shown). Once saved then click on the folder button, locate the file and select it (figure 11-2-3).

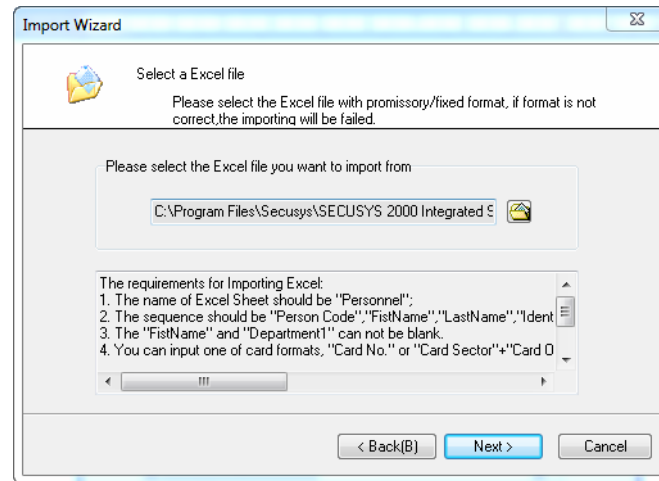


Figure 11-2-3

Click Next and the Import Screen will appear (figure 11-2-4)

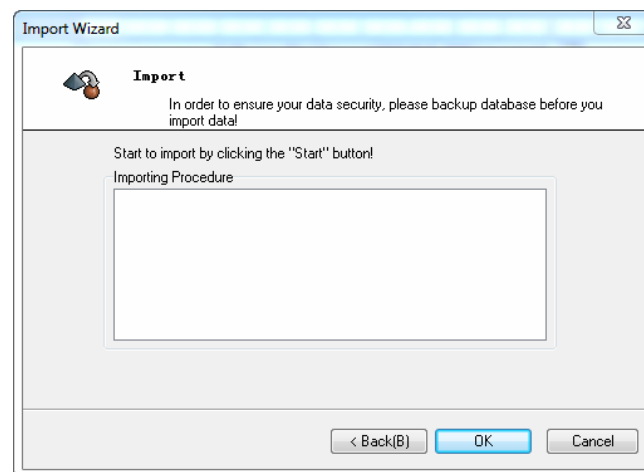
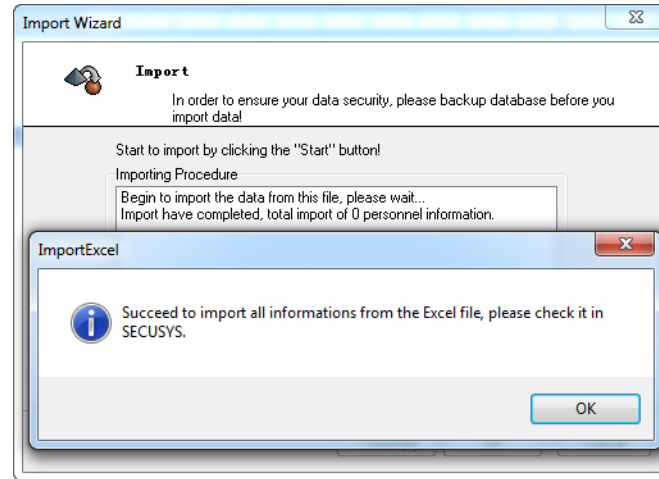


Figure 11-2-4

Click 'OK' and the Imported Successfully screen should appear (figure 11-2-5)



Click OK and Cancel to exit the Import Wizard. Verify that SECUSYS 2000 has imported the data.

11.3 Export Events Automatically

SECUSYS 2000 provides a powerful module which can be run separately to export all card events. This is purchased separately and is licensed and controlled by the hardware key. The exporting is needed mainly for 3rd party software like building management or T&A which would need to have the access control events. The exporting is performed by creating "Tasks". Each task is creating a different exported file with information that the user has defined. Clicking on the Tools, Export Events Automatically sub menu item will bring up the Export Tool for Transaction window (figure 11-3-1)

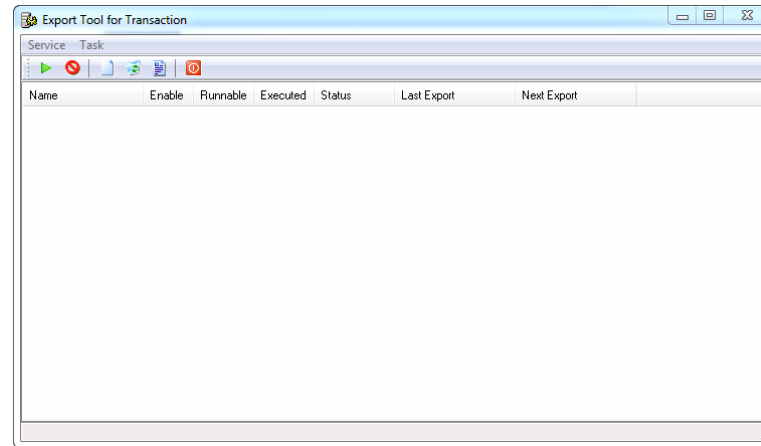


Figure 11-3-1

Name: Exporting task name
Enable: Tasks is saved and enabled, running or scheduled to be running.
Runnable: Task was already executed in the past
Executed: Executing
Status: Status of the task
Last Export: When was the last time the task was run
Next Export: When is the next time the task will run

Start Export Service New Task Edit Task



Figure 11-3-2

11.3.1 New Task

When clicking the New Task button the “Export Data Wizard” screen will appear (figure 11-3-1-1)

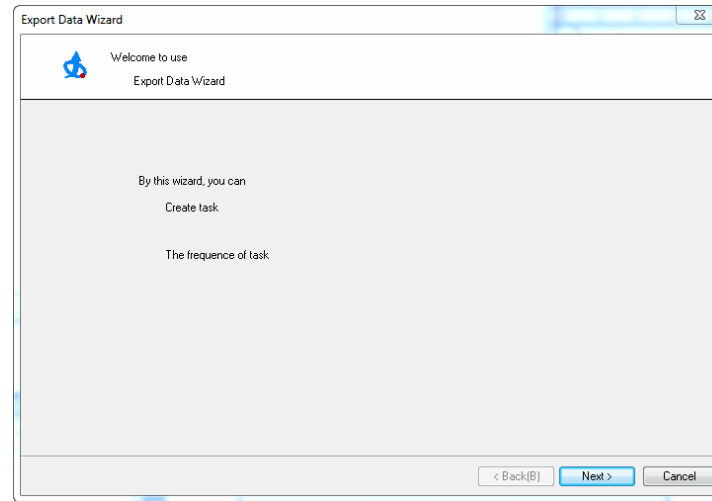


Figure 11-3-1-1

Click “Next” to select the type of data required to be exported (figure 11-3-1-2). The current options are Card Events, Personnel Card Information and Test Data. For this example Card Events will be selected.

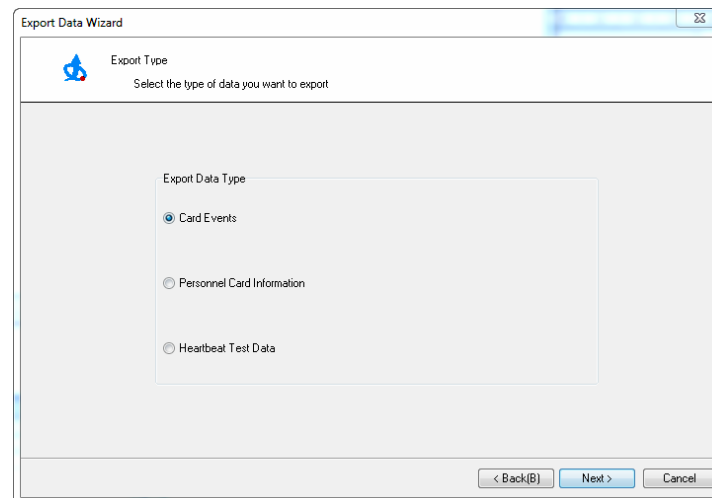


Figure 11-3-1-2

Select the Department then click “Next” (figure 11-3-1-3)

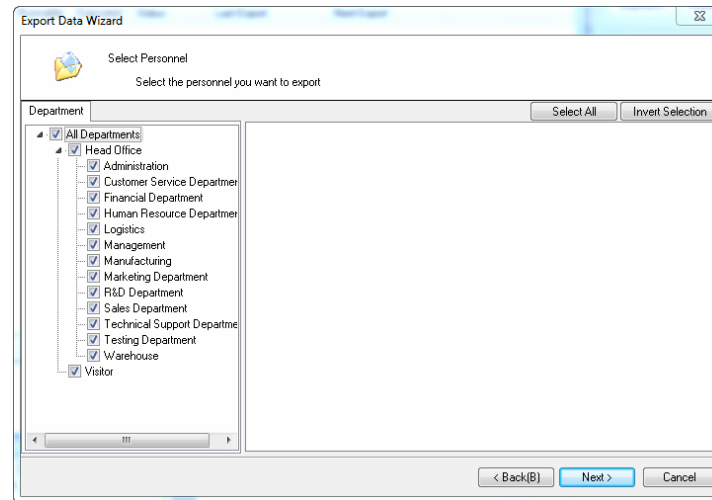


Figure 11-3-1-3

Select the Record Type and the Event Type(s) then click “Next” (figure 11-3-1-4)

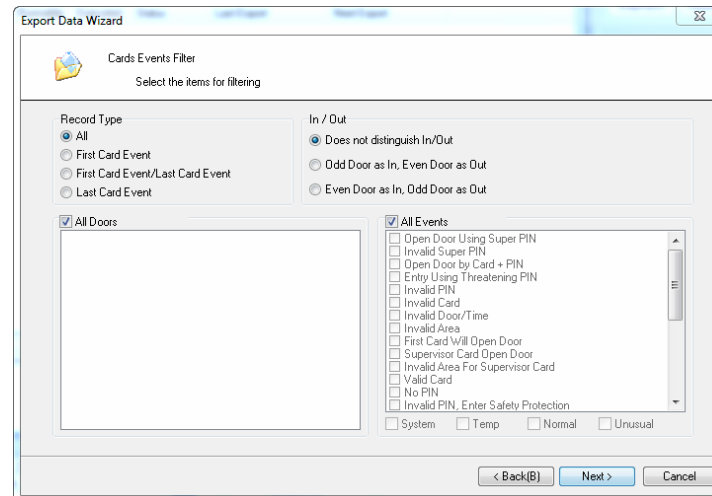


Figure 11-3-1-4

Select the Fields to be exported (or all fields) and click the right arrow button to move them across to the right hand panel (figure 11-3-1-5) then click “Next”

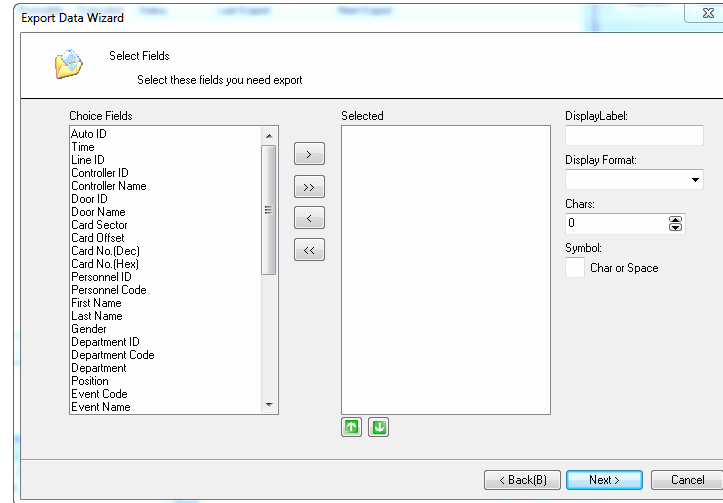


Figure 11-3-1-5

Tick the Title check box if the Fields Name is to be the first line in the file before the events (figure 11-3-1-6)

Enter the path (folder) the exported file will be placed. Click on the 3 dots to the right of the Path of Exporting File and select a location to save the file (figure 11-3-1-6)

Select the file format (MS-Excel, TXT, RTF, HTML etc.). Select the separator to separate between the different fields which were selected in Figure 11-3-1-5 (figure 11-3-1-6)

Enter the File name and click Next. The next screen in the Export Data Wizard will open (figure 11-3-1-7)

The screenshot shows the 'Export Data Wizard' window with the 'File type' tab selected. The window contains the following elements:

- Title:** ☒ The Title will be the 1st line
- Path of exporting file(P):** A text box containing 'C:\Users\Dave\Desktop' with a browse button (three dots) to its right.
- File format for exporting:** A dropdown menu showing 'Microsoft Excel (*.xls)'.
- File name:** A text box containing 'Test'.
- Overwrite:** An unchecked checkbox labeled 'Overwrite current file, otherwise will add into this file.'
- Exporting file full name:** A text box showing the full path 'C:\Users\Dave\Desktop\Test.xls'.
- Footer:** A note stating 'The export file Name and Folder can include %AppDir%, %DateTime%, %Date%, %Time% these variable.'
- Buttons:** '< Back(B)', 'Next >', and 'Cancel'.

Figure 11-3-1-6

Select when the task is to be undertaken, immediately or at a later date (figures 11-3-1-7 and 11-3-1-8)

Two rectangular buttons are shown side-by-side: 'Today' and 'This Week'.

Four square buttons are shown in a row, each containing a letter: 'T', 'Y', 'W', and 'M'.

Figure 11-3-1-7

Yesterday This Month

Select the Departments/Sub Departments/ Time Period/ Doors/ Record Type/Events that are required to be exported (figure 11-3-1-8)

A user can decide if the task should run immediately or scheduled for later. Set the task Name and Enable it if is required to be run immediately. Set the Frequency to be Daily/Weekly/Monthly. Set the Daily frequency to be one time or periodically (as frequent as every minute). Keep Time will set if we limit the period of exporting to certain dates or infinite.

The 'Export Data Wizard' dialog box is titled 'Execute _Save'. It contains the following sections and options:

- Execute immediately:** A checked checkbox. To its right, a 'Date Time (Valid for Execute Immediately only)' section shows 'From 19/05/2011 To 19/05/2011' and 'From 00:00:00 To 23:59:59' with dropdown menus for Day, Year, and Month.
- Save task, will execute it later:** An unchecked checkbox.
- Save:** A section with a 'Task Name' text field and an 'Enable' checkbox.
- Frequency:** Radio buttons for 'Daily' (selected), 'Weekly', and 'Monthly'. Below 'Daily' is an 'Every 1 day' setting with a spinner.
- Frequency per day:** Radio buttons for 'One time on' (selected) and 'Period'. The 'One time on' option has a time field set to '00:00:00'. The 'Period' option has a '1' in a spinner, a 'Begin' time field set to '00:00:00', and an 'End' time field set to '23:59:59'.
- Keep time:** Radio buttons for 'Begin Date' (selected) and 'End Date'. The 'Begin Date' is set to '19/05/2011' and the 'End Date' is set to '19/05/2012'. There is also a 'No end Date' option.
- Buttons:** '< Back(B)', 'OK', and 'Cancel' at the bottom.

Figure 11-3-1-8

If the export is successful then the success window will appear (figure 11-3-1-9)

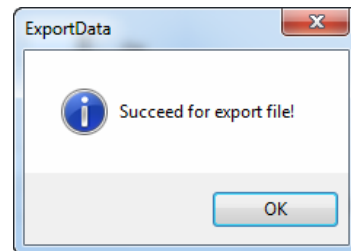


Figure 11-3-1-9

If the task has been scheduled then the Export Tool for Transaction window will open but this time it will have a task listed (figure 11-3-1-10)

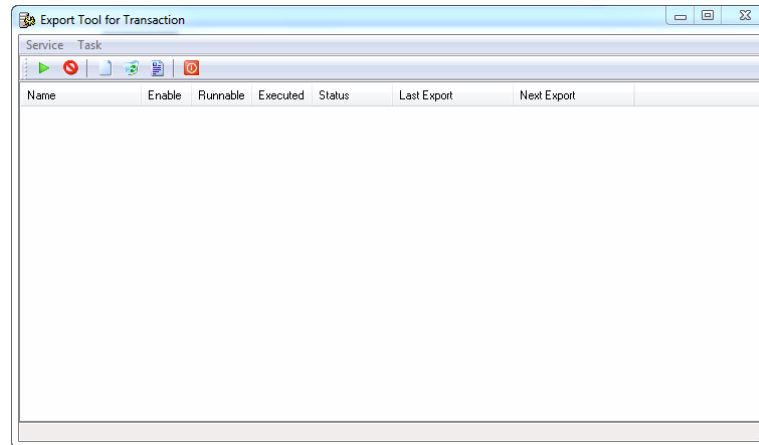


Figure 11-3-1-10

If a task is pending the Green Arrow icon will appear on the taskbar (figure 11-3-1-11)

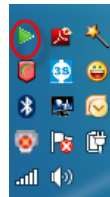


Figure 11-3-1-11

11.3.2 Delete Task

Delete the selected task.

11.3.3 Edit Task

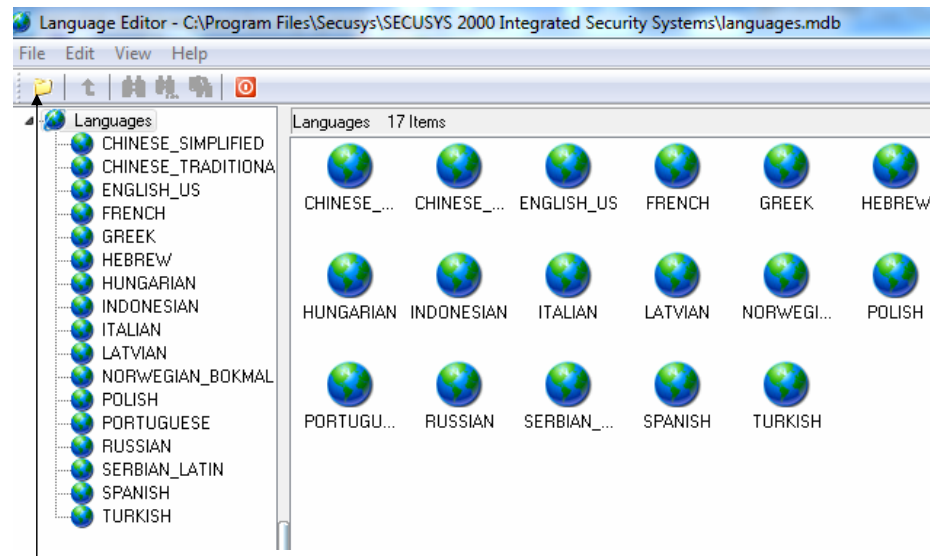
Allows the user to edit the task details

11.4 Language Editor

Currently the SECUSYS 2000 Software is available in 17 languages (figure 11-3-1-1). If an additional language is required then the SECUSYS 2000 provides the user with a powerful tool to independently translate SECUSYS 2000 to the users preferred language. The user can view the translation immediately in the software. Once the translation is complete the Languages.mdb file can be copied and emailed to SECUSYS where it will be included with the next software release. Before any modifications are made to the Languages.mdb, it is highly recommended that this file be backed up should the user wish to restore the original file. The "Language.mdb" file is located in the C:\Program Files\SECUSYS 2000 directory.

11.4.1 Opening the Language for Editing

After the backup click "Tools, Language Editor" and the Language Editor screen will appear (figure 11-4-1-1) The existing 17 languages can be viewed.



Open *.mdb file

Figure 11-4-1-1

By default the SECUSYS 2000 "Language.mdb" will be opened. This is the languages database file SECUSYS provides with all existing languages translations. Double click the globe of the language to be translated to. All translations are from English to the destination language.

In this example for simplicity reasons we will demonstrate how to work with Spanish translation (English to Spanish). Double clicking on the Spanish Globe icon will open the screen (figure 11-4-1-2)

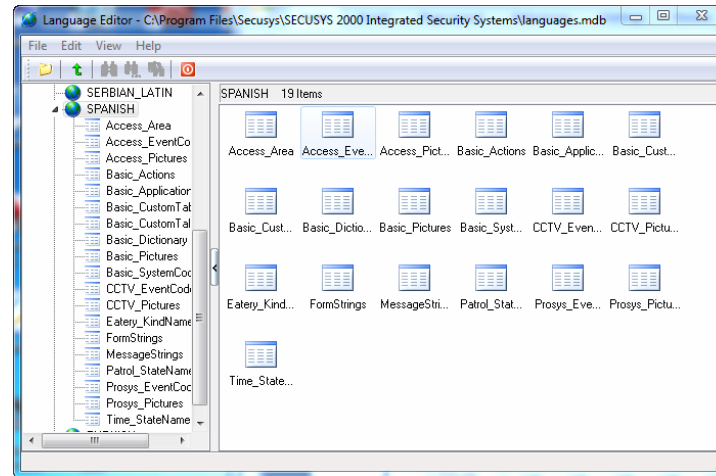


Figure 11-4-1-2

There are a total of 11 tables holding the SECUSYS 2000 words that need to be translated. Most of the words and terms are in the "FormStrings" and "MessageString" tables. "FormStrings" holds the majority of the words which are presented in SECUSYS 2000 forms as windows, menus and dialog boxes. Also in "FormStrings" there are all the SECUSYS 2000 software messages (figure 11-4-1-3)

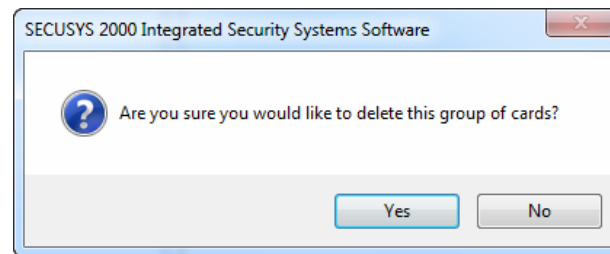


Figure 11-4-1-3

It is recommended to begin with "FormStrings" table since it is the largest and most systematic. Double click "FormStrings" and the following screen will appear (figure 11-4-1-4). The FormStrings table is made of smaller tables (figure 11-4-1-4) Usually it will be easier to work with FormStrings list of terms and not each one of the smaller tables.

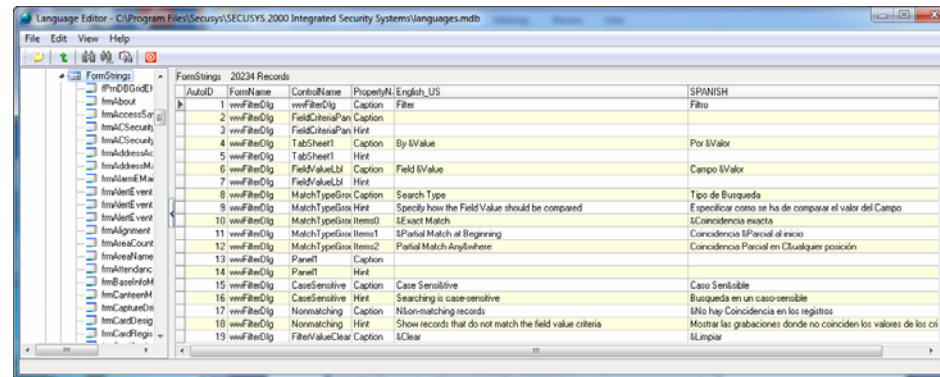


Figure 11-4-1-4

11.4.2 Editing Functions

The language tool provides several Locate Value/Replace/Filter tools which were explained in Section 9.1.

Clicking Edit, Locate or the  icon will open the Locate Value screen in which allows us to Locate Values in the tables (figure 11-4-2-1)

Clicking Edit, Replace or the  icon will open the Replace screen which allows to systematically search and replace values (figure 11-4-2-2)

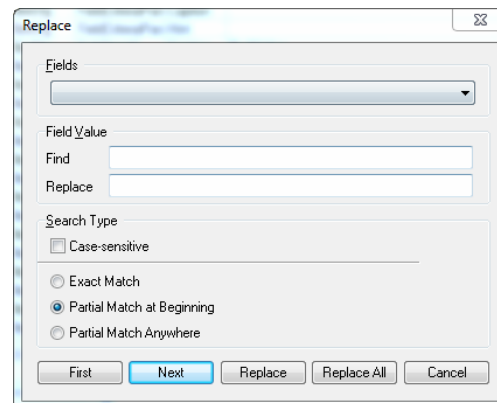
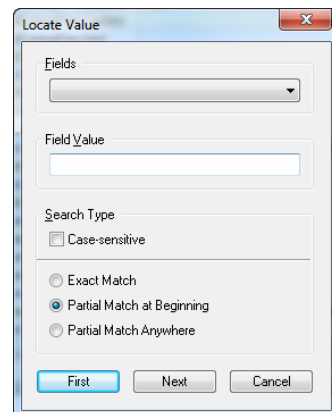
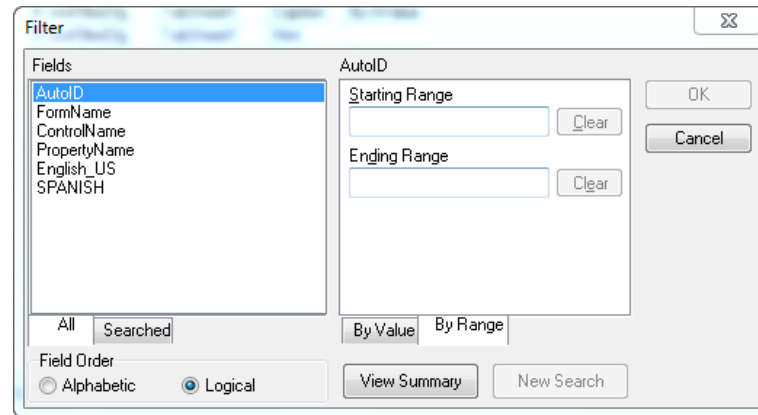


Figure 11-4-2-1

Figure 11-4-2-2

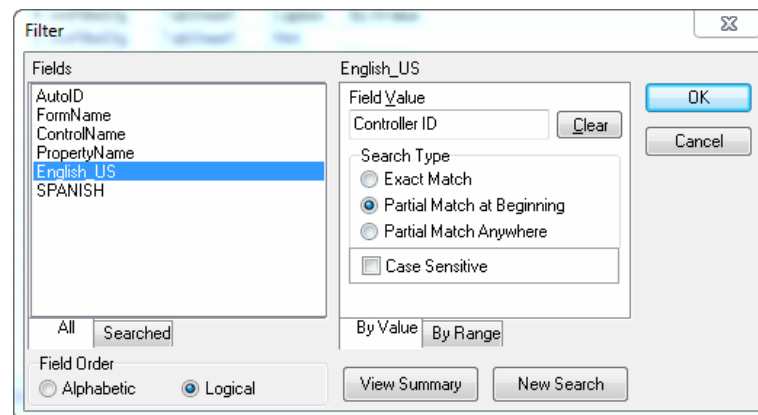
Clicking Edit, Filter or the  icon will open the Filter screen which allows Filtering a column to a certain value (or values with common letters) (figure 11-4-2-3)



The 'Filter' dialog box is shown with the 'AutolD' field selected in the 'Fields' list. The 'AutolD' field is highlighted in blue. The 'Starting Range' and 'Ending Range' input fields are empty. The 'By Value' and 'By Range' tabs are visible, with 'By Range' being the active tab. The 'Field Order' section shows 'Alphabetic' and 'Logical' radio buttons, with 'Logical' being selected. The 'View Summary' and 'New Search' buttons are at the bottom.

Figure 11-4-2-3

Filtering the "English US" to "Controller ID" (figure 11-4-2-4) and clicking OK will give a result (figure 11-4-2-5)



The 'Filter' dialog box is shown with the 'English_US' field selected in the 'Fields' list. The 'English_US' field is highlighted in blue. The 'Field Value' input field contains 'Controller ID'. The 'Search Type' section shows three radio buttons: 'Exact Match', 'Partial Match at Beginning' (which is selected), and 'Partial Match Anywhere'. The 'Case Sensitive' checkbox is unchecked. The 'By Value' and 'By Range' tabs are visible, with 'By Value' being the active tab. The 'View Summary' and 'New Search' buttons are at the bottom.

Figure 11-4-2-4

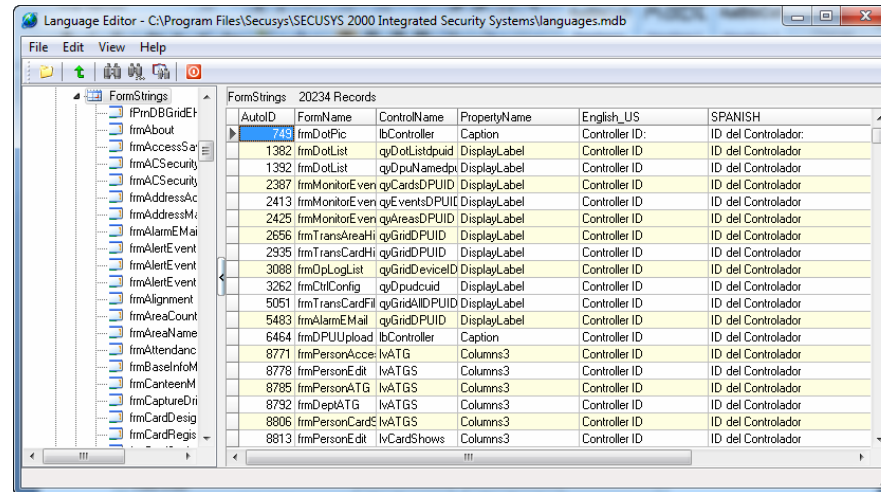


Figure 11-4-2-5

Using the Edit/Replace menu items or clicking on the  icon brings up the Replace screen. Select SPANISH then Find "Controller ID" then Replace with "ID del Controlador" and click "Replace All" This changes all the English terms "Controller ID" to the Spanish translation "ID del Controlador" (figure 11-4-2-6) and the result (figure 11-4-2-7)

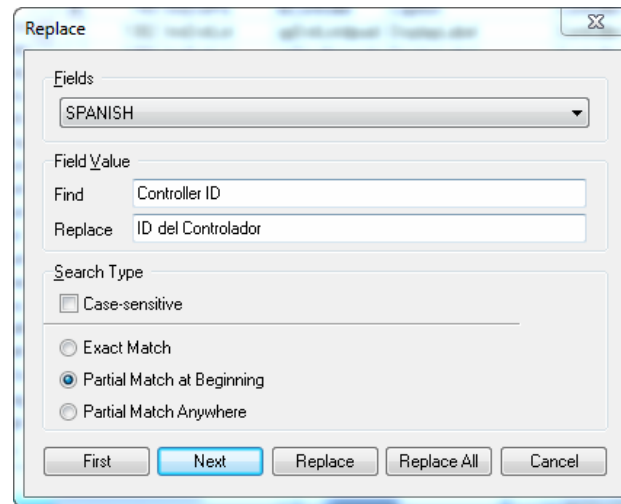


Figure 11-4-2-6

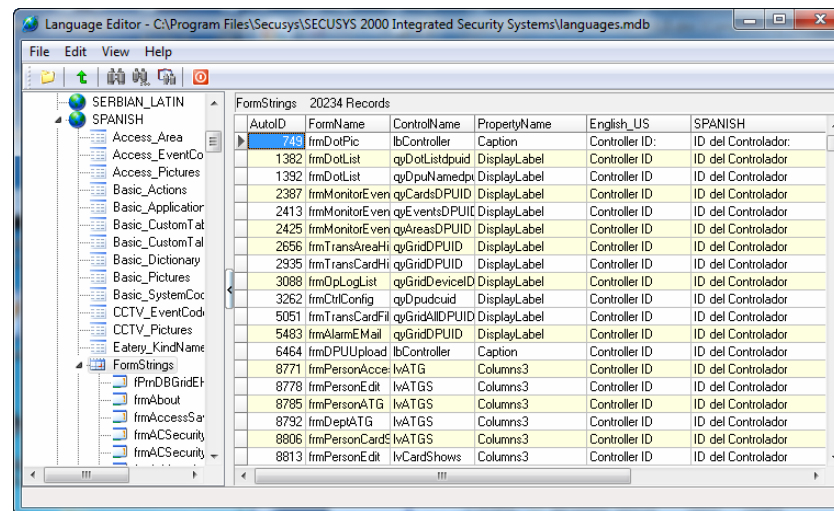


Figure 11-4-2-7

SECUSYS 2000 has many terms which repeat many times. In the example above it can be seen how using the tools of Locate Value/Filter/Locate Field Value can allow the user save much time and effort. While performing the translation it's easy to identify the repeating words and terms and replace them automatically.

11.4.3 The File Menu

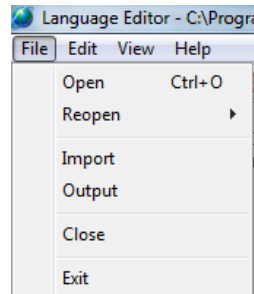


Figure 11-4-3-1

The **File Open** sub menu item was described in Section 11.3.1

The **File Import** sub menu item allows the user to import languages from a language DB file. Unlike the "File, Open" which opens the entire language DB in the language editor, the "File, Import" allows the user to import only specific languages. Click File, Import and the Import Language screen will appear (figure 11-4-3-2) Browse to the *.mdb file that languages are to be imported from and click "Next" (figure 11-4-3-2)

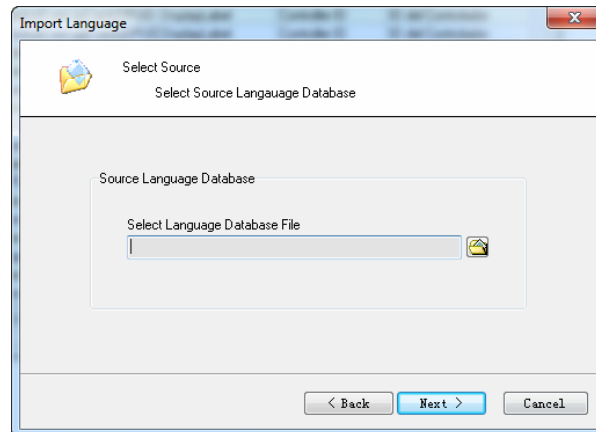


Figure 11-4-3-2

A 2nd Import Language screen will appear. Tick the languages you would like to import from the browsed *.mdb file to your existing *.mdb file (default is language.mdb) you are working with. Click Next. (figure 11-4-3-3)

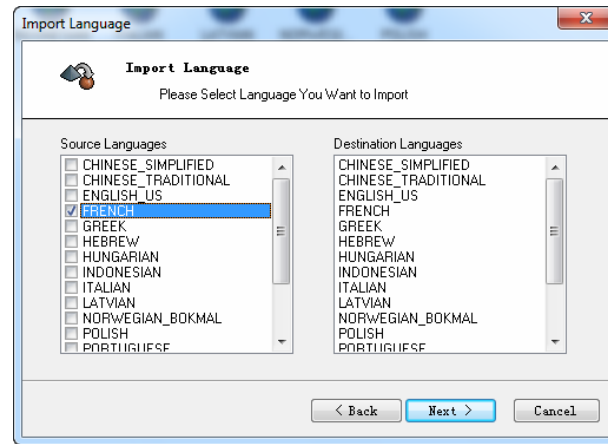


Figure 11-4-3-3

If the importation was performed successfully, a message will appear for each of the imported languages (figure 11-4-3-4)

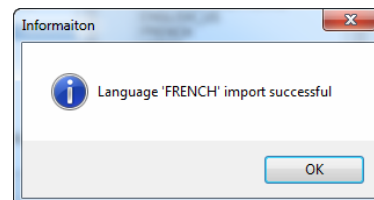


Figure 11-4-3-4

The **Edit, Add Language** sub menu item allows the user to add a new Language (figure 11-4-3-8)

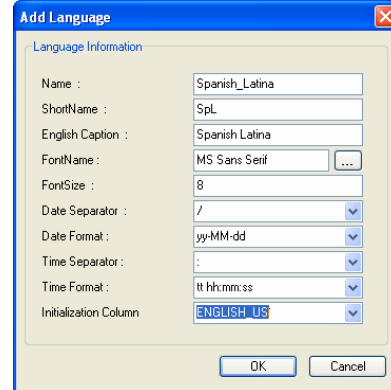


Figure 11-4-3-8

In the example above Latin American Spanish language is added in addition to the existing Spanish (European) language that SECUSYS 2000 provides. This will allow users to customize their Spanish. **Initialization Column** will put the English words as the initial translation in the Spanish_Latina column (in the translation tables). This is highly recommended, so the user can undertake automatic Search & Replace by searching the English word on this column and replacing it with the Spanish translation. Once restarting SECUSYS 2000 the new language will be listed in the Language menu and can be selected (Figure 11-4-3-9).

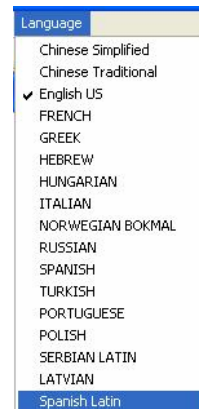


Figure 11-4-3-9

The **Edit, Delete Language** sub menu item deletes the language.

The **Edit, Language Properties** sub menu item edits the language.

11.5 Capture Tool

The SECUSYS 2000 software allows taking pictures of Personnel or Visitors using a web camera or Digital camera. Click on the Tools, Capture Tool sub menu item to open the Video Source screen. Click on the drop down menu and select the required camera, click Apply then OK (figure 11-5-1)

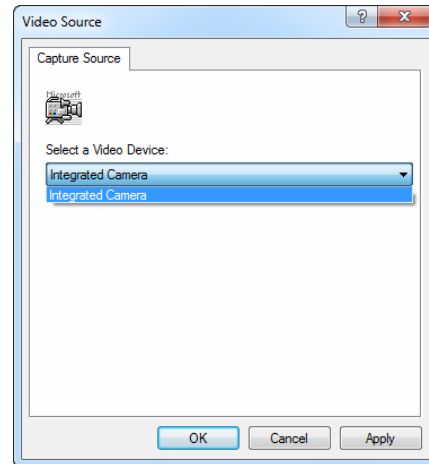


Figure 11-5-1

The camera screen will appear (figure 11-5-3) If a blank camera screen appears (figure 11-5-2) then the camera is not working. Check the camera connections and make sure the correct software drivers are loaded.

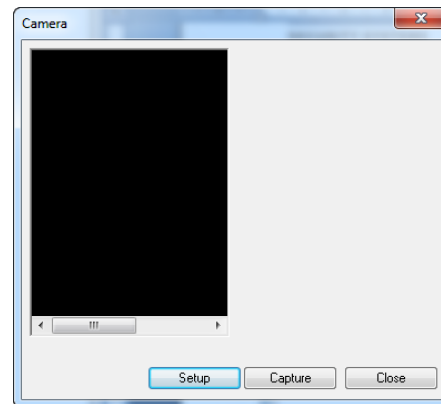


Figure 11-5-2

A user can take photos which will be stored in the "Photo" folder inside the folder of SECUSYS 2000. The user can also setup the camera, adjusting its parameters. Note that prior to using this feature the camera is connected to the PC and camera driver is already installed and operating. Click the "Capture" button for capturing the image on the screen.



Figure 11-5-3

11.6 Card Design & Print

Clicking on the Tools, Card Printer sub menu item will open the Card Printing Module. As this is an external module the Logon screen will appear (figure 11-6-1)



Figure 11-6-1

Enter the default password of "secusys" and the card printer window will open (figure 11-6-2)

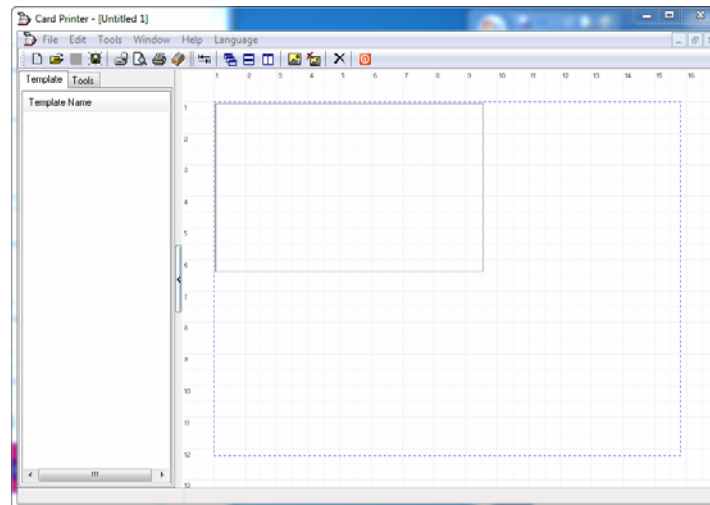
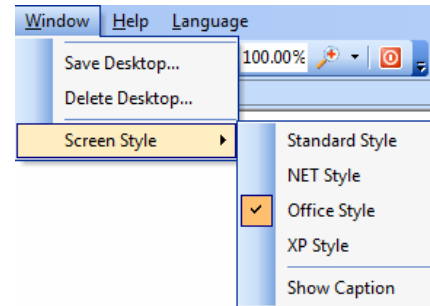


Figure 11-6-2

Chapter 12 Window

This section yet to be written.



Chapter 13 Help

13.1 Help

For future use

13.2 Home Page

For future use.

13.3 On-line Update

For future use.

13.4 Registration Information

The Registration Information screen reads and displays the contents of the Hardware Key or Software Dongle. The Hardware Key is used to give access to additional modules, doors, panels and clients and is unlocked for additional functions once these functions have been purchased.

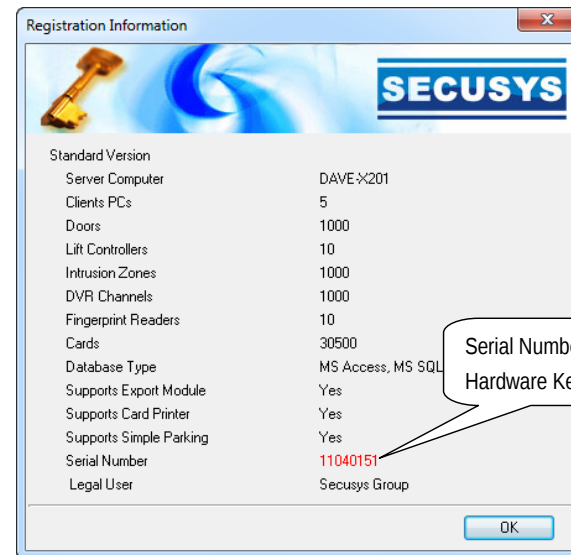
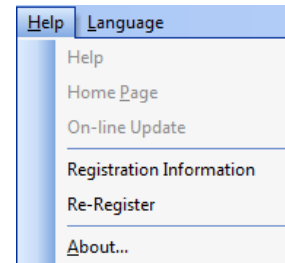


Figure 13-4-1

13.5 Re-Register

It is important to perform Re-Registration for the end user so the “Legal User” will appear at the bottom of the main window (figure 13-5-1). An accurate and updated “Legal User” is needed for verifying that the end user is holding a genuine and legal copy of the SECUSYS 2000 software. By default the Legal User is SECUSYS Group.

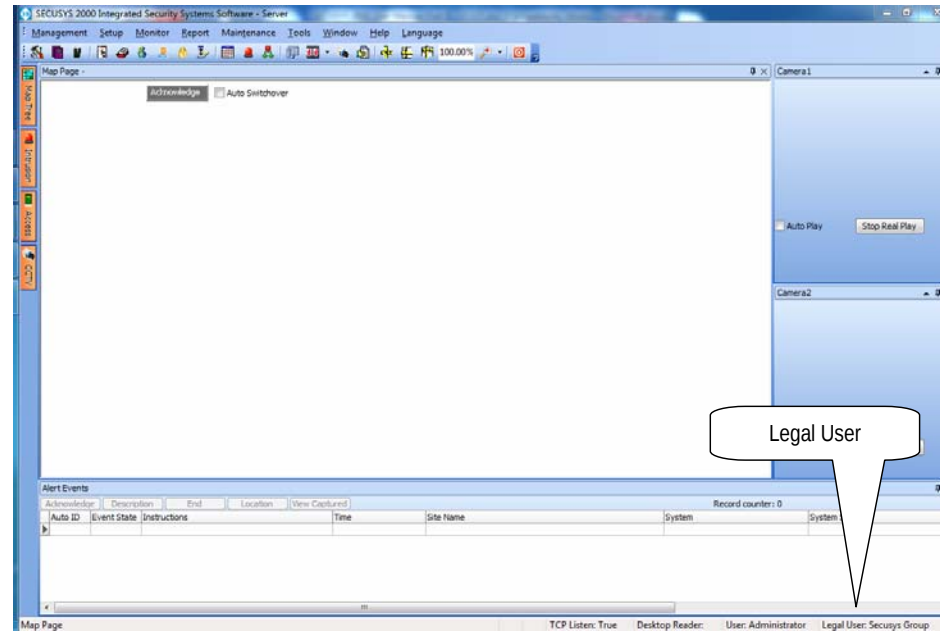


Figure 13-5-1

The Re-Register sub menu option is also used for upgrading the SECUSYS 2000 software with additional doors, users, panels, clients or modules. Upon purchasing additional doors, users, panels, clients or additional modules, the user/installer completes a request form giving the hardware Key serial number, the end user name and the changes to be made and emails this to SECUSYS. SECUSYS then generates a new registration code which is emailed back. This registration code is then entered on the Re-Register screen (figure 13-5-2). This information is then written to the hardware key so there is no need to replace the USB Hardware Key.

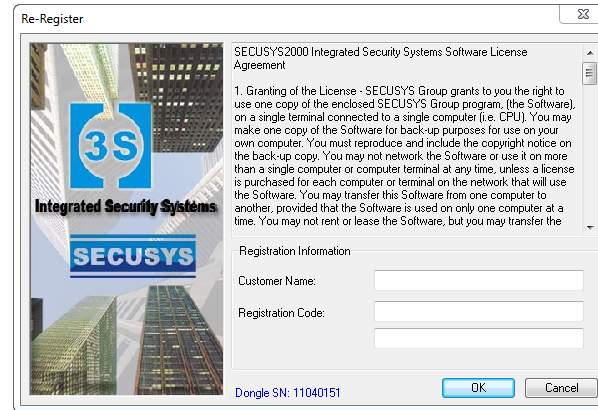


Figure 13-5-2

13.6 About

The About menu option lists software details such as the Version number and the last build time plus SECUSYS contact details (Figure 13-6-1)



Figure 13-6-1

Chapter 14 Language

14.1 Language

The language can be selected at the time of installation and subsequently changed once the software has been configured. To change the language from within the software, click the “Language” menu button (figure 14-1-1) and click on the required language. The language will change within 5-10 seconds, there is no need to restart the software.

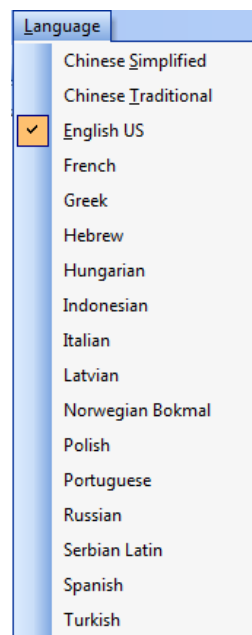


Figure 14-1-1

SECUSYS 2000 Software Registration Form

To register the SECUSYS 2000 software **or** activate additional SECUSYS 2000 features please complete this form and email to: info@secusysgroup.com

Customer Name (SI or Installer):

Customer Purchase Order Number:

SECUSYS Invoice No:

Place a cross in the appropriate box:

☐ Software Registration Only ☐ Purchase of additional modules

If purchase of additional modules is required, enter the Part Number(s) from the SECUSYS Price List for the items that you wish to purchase:

Part Number: Item Description: Price: US\$

Part Number: Item Description: Price: US\$

End-user Information

For the license enter information about the end-user of the SECUSYS software in the table below.

Company Name:		
Address:		
City/Suburb:	State	Post Code
Country:		
Contact Name:		
Phone Number	Facsimile Number	
E-mail Address		

Hardware Key Serial Number:

Log into the SECUSYS Software, go to the “Help” menu and select the ‘Hardware Key Configuration” sub menu option. Enter the Hardware Key Serial Number below:

Hardware Key Serial Number:

Go to the “Help” menu and select the “About” sub menu option.
Enter the Software Version number below:

Software Version:

The new Registration Code will be emailed/faxed back to you. Enter the email address or name and fax number in the space below that you wish the new registration code to be sent.

Email/fax new code to:

Now email this form to: info@secusysgroup.com

Complete the section below this line only when the new Registration Code has been received by you (note the User Name and New Registration Code will be completed by SECUSYS and returned)

User Name:

New Registration Code:

Log into the SECUSYS Software, go to the Help menu and select the “Re-Register” sub menu option. Copy and paste the new user name and registration code then click OK.

To check that the additional features have been enabled go to the Help menu and select the ‘Hardware Key Configuration” sub menu option. Check to see that the new features have been enabled.