

Parking Garage Module

Overview

There are two different programs that comprise the QUE Parking Garage monitoring program (QUE). A *Guard / Admin Interface*, and a utility program that synchronizes the access control and QUE databases (*Cardcount*). The program can be used to track all transaction for one or several tenants.

The Logon screen accepts the logon to access the system. Normal access is for the **Activity** tab only.

Logons can be of Type "Admin" which allow access to the **Setup** tab to select a company and set up thresholds.

A DEMO version will allow counting of 10 people only

Lastname	Firstname	Last Sign In	Reader	Badge #
Clark	Tim	01/19/2005 5:00:10 PM	PANEL 2A	477913
Smith	Jerry	01/19/2005 5:12:00 AM	PANEL 3A	477911
Wilson	Joe	01/19/2005 5:16:00 AM	PANEL 4A	477912
Holmen	Larry	01/19/2005 9:11:00 AM	PANEL 2A	

As employees come and go the Active count is modified and the list the employees on site is update

When the Active Count exceeds the Max, a message can be sent to access control so that cardholders not on site for the violating company are locked out *

The selected company to monitor

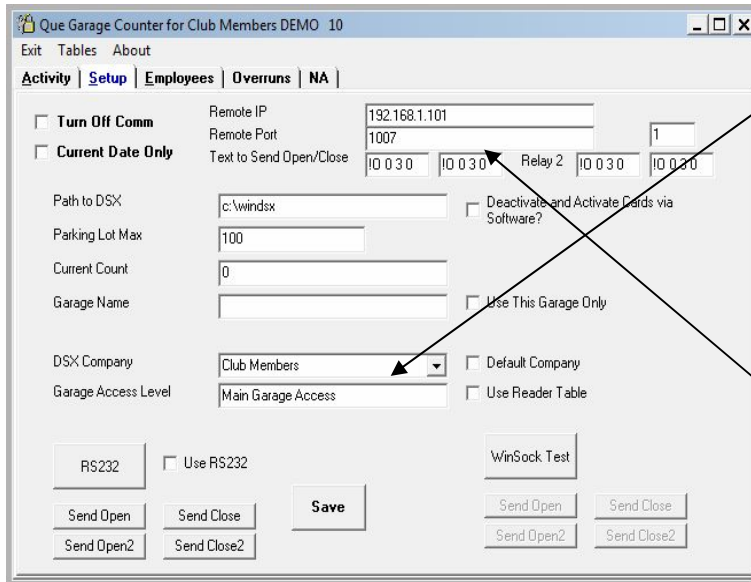
Some sites may have the option to send a Lot Full message to a parking sign

Note the **last sign in** can be used to create the count or it can be specified for the current date. The difference is that all cards who's last punch was an IN will be counted.

* Lock out can be done via software or by relays sent to the access control panel. The latter is preferred since it is much faster. Some access control system do not accept software commands

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Select the company to be monitored and enter the path to the access control system, the maximum lots allowed and optionally the Garage name. The Garage Name means only punches for that location are considered

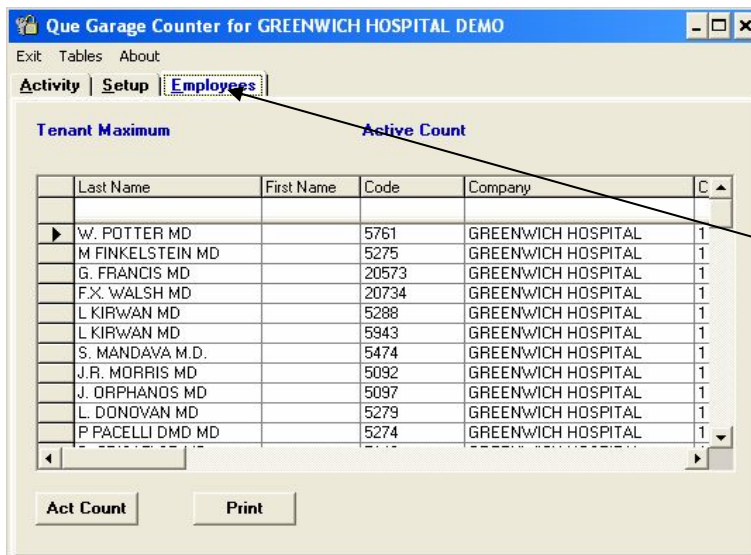
The Garage Access Level is required if you are deactivating a particular access level instead of the default of deactivating all levels when the threshold is hit

The Remote IP, Remote Port and Text to Send entries are used to signal the access control lan module. This can be used to signal a Garage Full sign. The second relay is used to signal a relay that may be used to deactivate cardholders for a particular Time Zone, as an example

When the serial port is used, as in Use RS232, the Text to send and Close are still used

The Deactivate Cardholders via software can be used in lieu of a relay but is not as quick and is recommended for small number of cardholders

The Turn Off Comm check is used to turn off the process used to send the communication commands
 The Current Date Only check when on, only counts for last In Transactions for the current date. Otherwise all In transactions are counted even when they have occurred days in the past. Old transactions may indicate a lost card which should be deactivated through the access control system



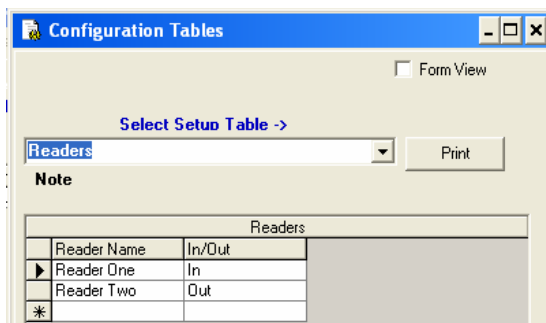
Shows a list of the Employees in access control for the selected company

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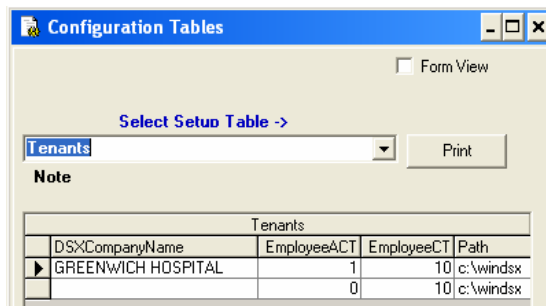


Menu items to select setup tables

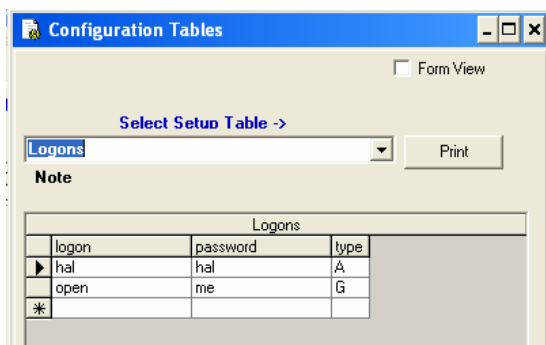


By default all In and Out readers are used in the access control system.

However, you may override which readers are read by entering their name in this table. You may also override the In and Out indicator or assign one for those readers not set for In and Out in access control. Keep in mind, setting readers IN/Out here does not set the in/out reader indicator in DSX



The Tenant table can be accessed here as well as in the Setup tab. The simple version of the program allows only one Tenant selection at a time.



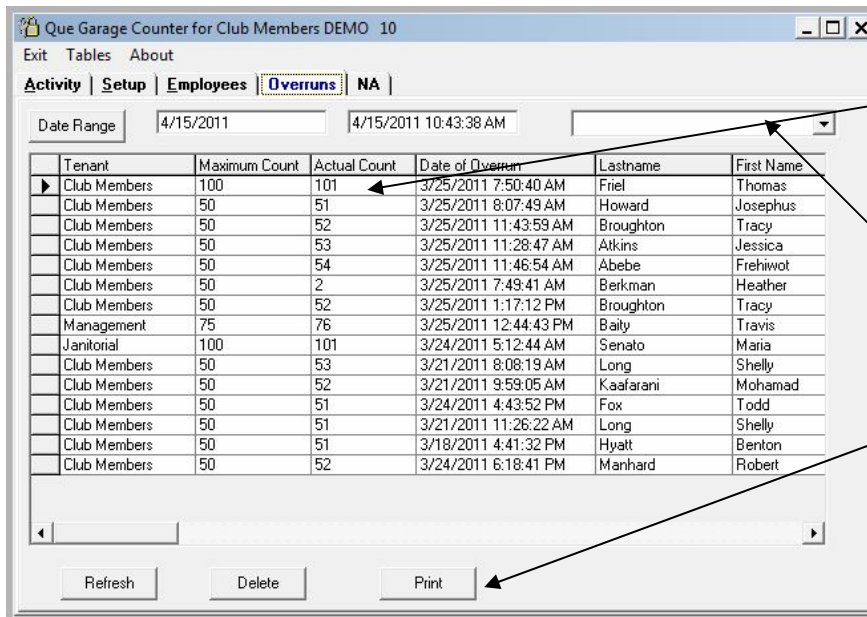
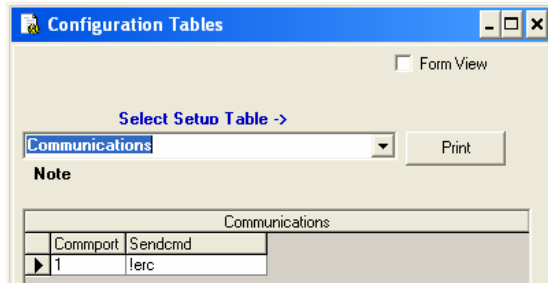
Logons can be set to be of type "A" admin or "G" guest. A logon with "A" can access the setup tables

If the serial port is used to send down commands, the Port is entered in this table.

The SendCmd is currently used for special initiation sequences. The commands sent during operations are stored in the Setup

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The Actual count of lots in use at the time that this individual enters the garage

Date range to filter Overruns

Drop down table listing Tenants so that anyone can be selected at one time

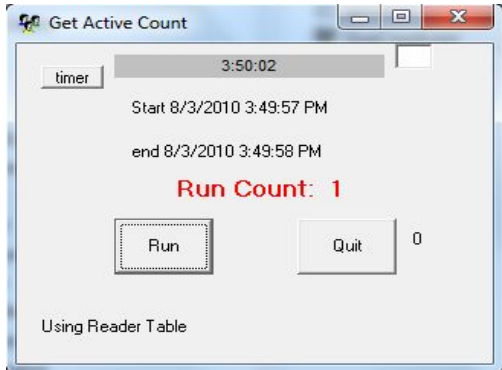
Print a report of what shows in the grid at any given time

Overruns

Some versions may have a separate table that keeps a record for each time the threshold is exceeded

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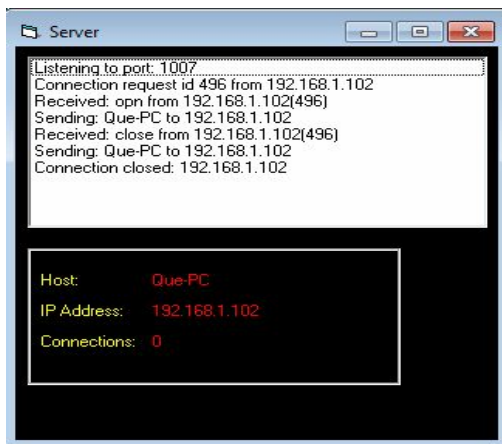
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The Cardcount program is a stand alone program with the sole purpose of determining the visitor and employee counts for the current date and building the list of employees on site. It runs every 15 seconds and may reside on any workstation with access to the access control server. The **timer** button can be used to turn off the function if needed **timer**.

Cardcount Program

QueServer Program



The Queserver program is provided to assist in testing IP addressable hardware. As data is sent via the Admin program it is recorded in the list box as shown

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System Testing

Operational

Select Company from Drop down in SETUP

Verify that the employee counts are correct. The system will get a list of all cardholders assigned to that company. It then reads through the **event log** to see if the last entry for the card is and In or an Out. If it is not in use, it is not added to the Active Count. If there is a transaction and its an "In" the Active count is incremented. A Card can be considered "In" even if the last "In" transaction date is NOT the current date. To reactivate a card simple pass it through an "Out" reader or change the status through DSX

Lot Full Sign

When the active count for a company is greater than total allotted for the lot, the lot full button is enabled. The guard then presses button to send down the sign command. Or it is automatically sent

OX4 Board Relays

!O 0 3 1.	Close relay 3 on side 0 (note period is required)
!O 0 4 1.	Close relay 4 on side 0
!O 1 3 1.	Close relay 3 on side 1
!O 1 4 1.	Close relay 4 on side 1
!O 0 3 0.	Open relay 3 on side 0
!O 0 4 0.	Open relay 4 on side 0
!O 1 3 0.	Open relay 3 on side 1
!O 1 4 0.	Open relay 4 on side 1

Deactivate/Reactivate

Any cardholder not yet on site will either have his/her access level to the garage turned off or the card will be made inactive. In the case of the former, the card is still active for other access levels, such as access to the building.

As the actual count of site decreases below the threshold, off-site cardholders are reactivated