



CYA  
User's Manual

**Version 2**  
**10/9/03**

## Understanding the CYA Suite of Software

*CYA* is a suite of programs that make up the latest TVS POS surveillance system. *CYA* works in conjunction with one or more TVS text inserter systems (made up of 1066A text inserters or 1030A register interfaces connected to 2100 series text inserters.) TVS text inserters extend the power of your CCTV system, and *CYA* in turn extends the power of your text inserter.

*CYA* is made up of 3 interrelated components: *CYA Standalone*, *CYA Network Server* and *CYA Network Client*.

### **CYA Standalone**

When you purchase *CYA Standalone*, your installation disk will install two programs: *CYA – Control Your Assets* and *DCM* or *Data Collection Manager*. Every user of *CYA* will need at least one installation of *CYA Standalone*. The network components are optional extensions

*DCM* collects data from your text inserter or inserters via serial ports and writes that data to a database file. *DCM* must run continuously to maintain a complete and accurate database.

*CYA – Control Your Assets* is the centerpiece of the *CYA* suite. It is the program you use to view, search and summarize your collected data. It can extract all transactions matching certain criteria over a selected interval, or can sum and average exceptions and present the results in tables. Where appropriate, tables can be charted for a visual assessment. *CYA* is capable of exporting tables and lists to text, html and MS Excel formats. Charts can be saved as bitmap images.

### **CYA Network Client**

The *CYA Network Client* is nearly identical to *CYA – Control Your Assets* in its look and feel. It contains all the same reporting and analysis tools. It differs only in that it is used from remote computers to access *CYA* databases via a TCP/IP network. These will be databases created by installations of *CYA Standalone*. Making a *CYA* database accessible to installations of *CYA Network Client* requires the final component, *CYA Network Server*.

## CYA Network Server

*CYA Network Server* is installed to the same folder as *CYA Standalone*. Whenever *CYA Network Server* is running it listens for connections from remote installations of *CYA Network Client*. Remote users can then login to the database created and maintained by *CYA Standalone*. Logging into the server with a client requires knowledge of a password set by the administrator of the server. The *CYA Network Server* can be accessed by any user of *CYA Network Client* on the same network who has the address and password of the server. The network connection could be a local area network, the Internet, or even a direct dialup networking connection.

### Examples:

**Simple Standalone** – A small store has *CYA Standalone* installed on a backroom computer that has no network connectivity. DCM collects data into the database and the database is viewed and maintained using *CYA-Control Your Assets* on the lone computer.

**Internet accessible** – A store with a DSL internet connection and a static IP address runs *CYA Standalone* on a backroom computer. DCM collects the database and *CYA-Control Your Assets* is used to view and maintain the database in-store. *CYA Network Server* is also installed on the computer, and the manager uses a copy of *CYA Network Client* on his home computer to remotely login and view the database from time to time.

**Large Installation Integration** - A large department store has *CYA Standalone* and *CYA Network Server* installed on a PC in an equipment room. DCM collects the database, and occasional database maintenance is performed using *CYA-Control Your Assets* in the equipment room. A local area network connects the equipment room PC with PCs in the offices of the manager, assistant manager and head of loss prevention. All three of these individuals can view the database, each with his own copy of *CYA Network Client*. If the LAN has Internet connectivity and is appropriately configured, these individuals could view the database using copies of *CYA Network Client* installed in their homes.

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# **Overview of CYA**

## **1.0 Introduction to CYA**

CYA® stands for “Control Your Assets®” and this is what the software helps you do. CYA and its partner program DCM (Data Capture Manager), monitor POS transactions allowing you, the user, to supervise everything from shrinkage to sales trends.

## **1.1 Primary Functionality**

The primary functionality of CYA system is to allow the control of POS fraud, theft and abuse. This is done using the following methods.

### **POS Data Collection**

Using the existing TVS products, the 1066A and 2100 Text Inserters, the CYA System uses the DCM module to collect POS transactional data. DCM receives that data in your IBM compatible Microsoft Windows operated computer through an existing serial port.

### **Database Storage of POS Data**

The POS transactional data is stored on your host computer in the CYA database. This database allows for regular storage, maintenance and observation of a rolling two active calendar months of data.

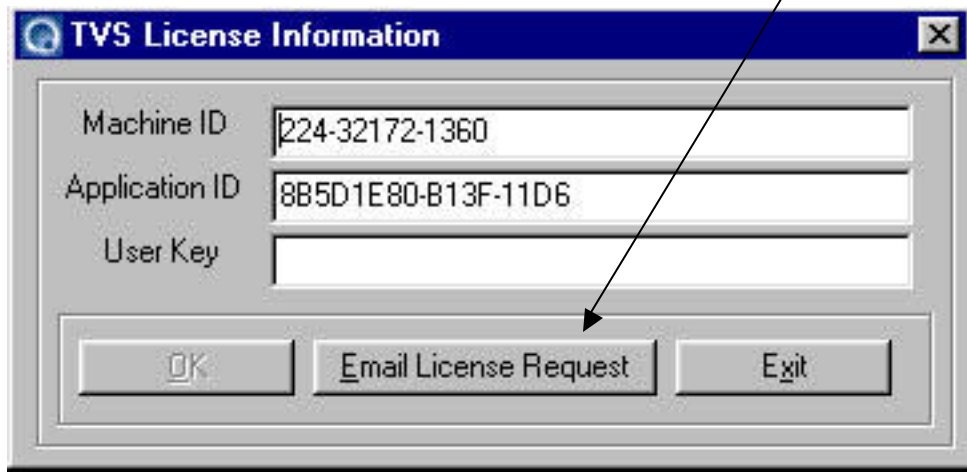
### **Real Time Reporting**

The CYA system enables the user to report on all transactions with three basic reports: fixed reports, power search, and daily summary.

# CYA Licensing

## License Information

After the initial startup of the software, a license information pop-up window appears displaying the machine ID and the application ID. A user key must be obtained by emailing a license request to TVS. Click the email license request button.

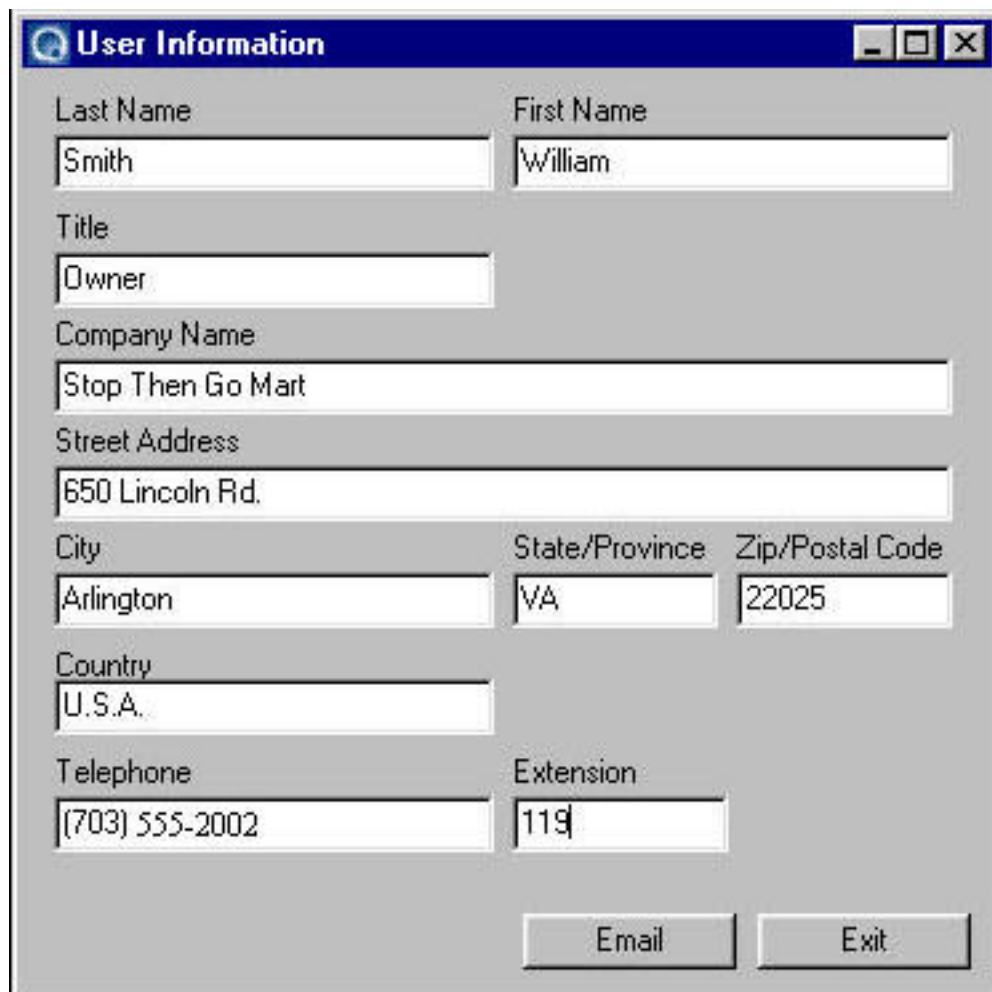


**Figure 1**

*\*Note: The user key will unlock both DCM and CYA Stand Alone. CYA Server and CYA Client will require a separate user key.*

***IMPORTANT: Be sure the NIC card on the PC or DVR is properly installed. Otherwise, the Machine ID will come up as 0-0-0. If the license key is generated with 0-0-0, and you then hook up to a network, the actual Machine ID appears and the previous user key is invalid.***

## User Information

A screenshot of a Windows-style dialog box titled "User Information". The dialog box has a blue title bar with a small icon on the left and standard minimize, maximize, and close buttons on the right. The main area is light gray and contains several text input fields. The fields are arranged as follows: "Last Name" (Smith) and "First Name" (William) are side-by-side at the top. Below them is a "Title" field (Owner). Then a "Company Name" field (Stop Then Go Mart). Below that is a "Street Address" field (650 Lincoln Rd.). Then three fields: "City" (Arlington), "State/Province" (VA), and "Zip/Postal Code" (22025) are side-by-side. Below these is a "Country" field (U.S.A.). Then two fields: "Telephone" ((703) 555-2002) and "Extension" (119) are side-by-side. At the bottom right are two buttons: "Email" and "Exit".

Last Name		First Name	
Smith		William	
Title			
Owner			
Company Name			
Stop Then Go Mart			
Street Address			
650 Lincoln Rd.			
City	State/Province	Zip/Postal Code	
Arlington	VA	22025	
Country			
U.S.A.			
Telephone	Extension		
(703) 555-2002	119		
Email		Exit	

**Figure 2**

A user information window pops up. Fill out the information and click the email button. An e-mail will be sent with a request for the unlock code for CYA, along with the user's information. At the bottom of the message, the user key is provided. The email will look something like the message on the next page.



At 02:58 PM 8/19/02 -0400, you wrote:  
Please send the unlock code for CYA DCM. My user and system information are as follows:

Smith, William  
Owner  
Stop Then Go Mart  
650 Lincoln Rd.  
Arlington, VA  
U.S.A.  
(703) 555-2002 ext 119

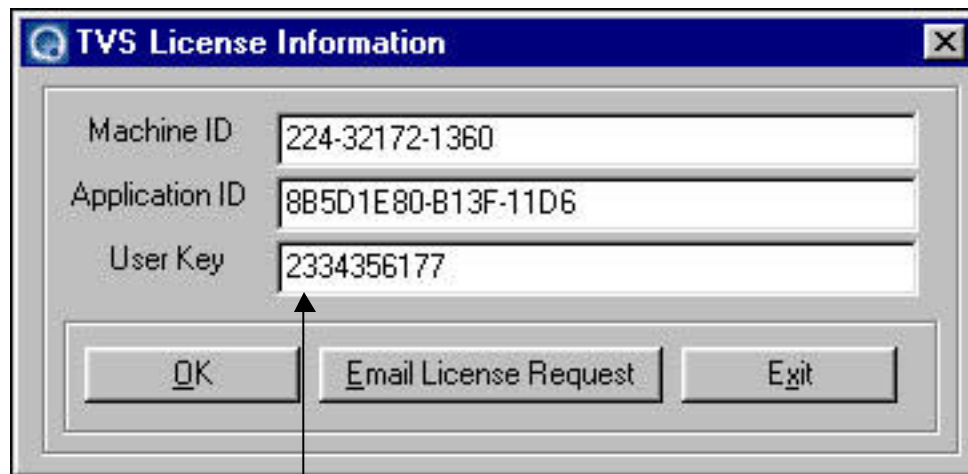
MachineID: 224-32172-1360

ApplicationID: 8B5D1E80-B13F-11D6

2334356177

↑  
\*User Key

**Figure 3** \*If not connected to internet, call TVS for license unlock key.



**Figure 4**  
Type or copy/paste the user key in the license information window and click OK. After license registration is completed, Data Collection Manager will start up.

# Data Collection Manager

## Starting Data Collection

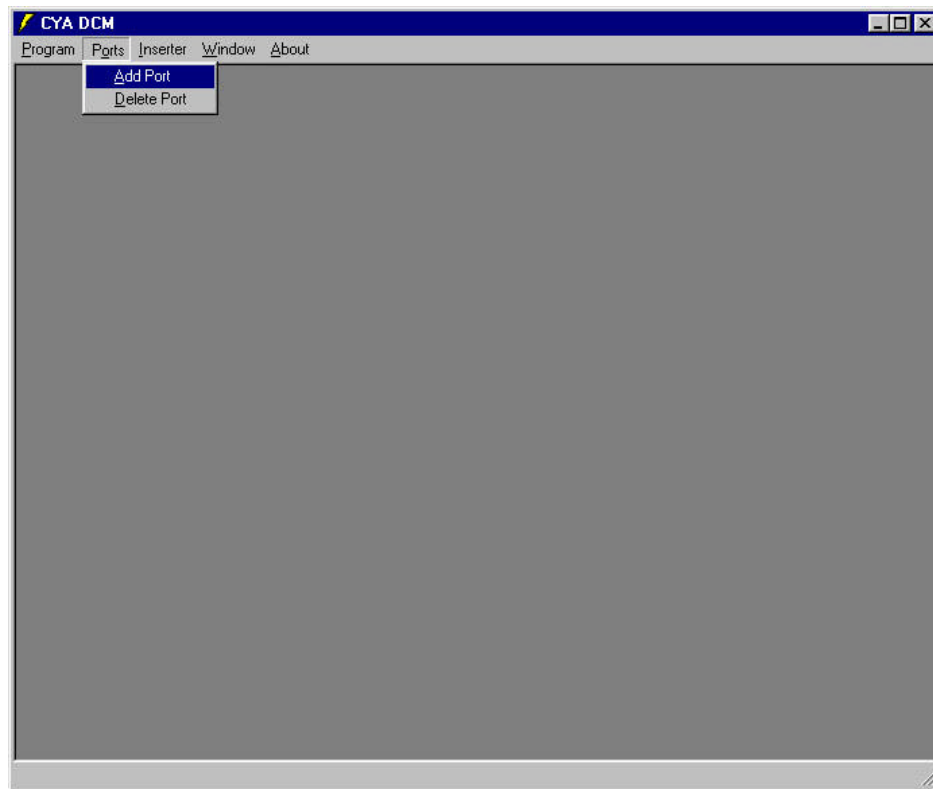
When DCM starts for the first time, an empty screen and menu appears. No data will be collected until at least one port is selected.



**Figure 5**

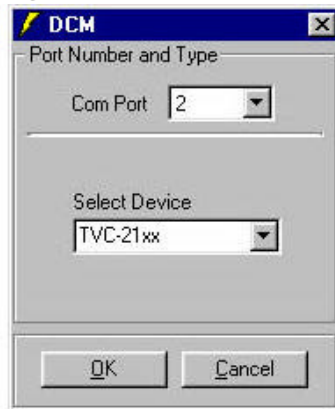
To add a port, do as follows:

- 1) On the main menu, select Ports, then select Add Port.

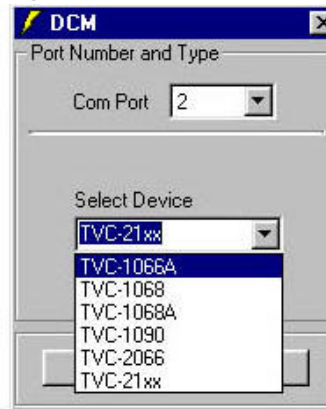


**Figure 6**

**Figure 7**



**Figure 8**



2) In the add port dialog that appears, choose the com port number of your serial port (Figure 7). Then choose which kind of TVS text inserter you will

be monitoring on this port (Figure 8). The choice made here is between the TVC-2100 text inserter and any other TVS text inserter model (TVC-1066A, TVC-1068, TVC-1068A, TVC-1090, or TVC-2066).

3) Press OK. A window will appear to display any CYA data coming in on the port. If there has been any problem opening the port, the status bar of the new window will indicate an error and invite you to click the error log.

4) Repeat this process for as many com ports as needed to monitor the various TVS text inserter units.

Once the ports are added and data is being sent from the register, transactions will start scrolling across the DCM screen.

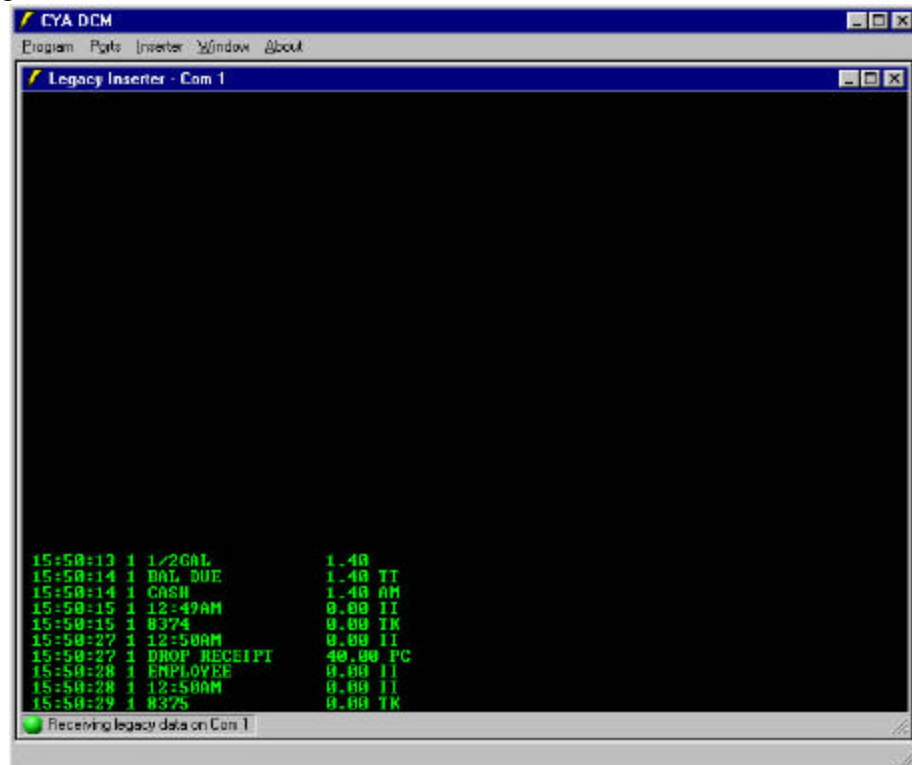


Figure 9

## Set Ups

DCM contains set up menus for alarming, text positioning and sizing, and multiple register assignments.

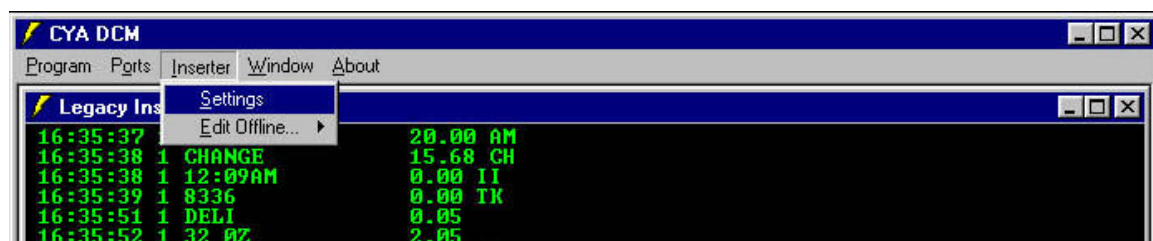
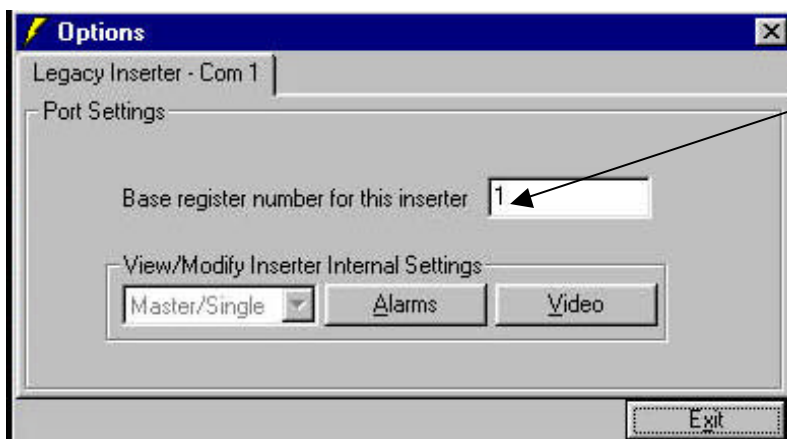


Figure 10

## Base Register Number

DCM makes important use of a Base Register Number setting for each port that is defined. To understand the concept, consider an example: TVC-1066A text inserters monitor only one register each. Every 1066A unit sends its data to DCM with the register number “1”. Therefore, if you monitor a second 1066A, set the base number to “2”. DCM will then record the incoming data with two different register numbers: 1 and 2.

Similarly, if monitoring two different 2110s (ten-channel 2100 series text inserters) then each of them is sending data to DCM with register numbers 1 to 10. For one of the two 2110s, the Base Register Number should be defined as 11. Data is then saved as register 1 to 10 data on one port, and register 11 to 20 data on the other.



The Base Register Number for a port can be thought of as a virtual register number to which data from the actual register number 1 is mapped. Register numbers higher than 1 are adjusted accordingly. So, if Base Register Number

is 21, then register 1 becomes register 21, and register 4 becomes register 24.

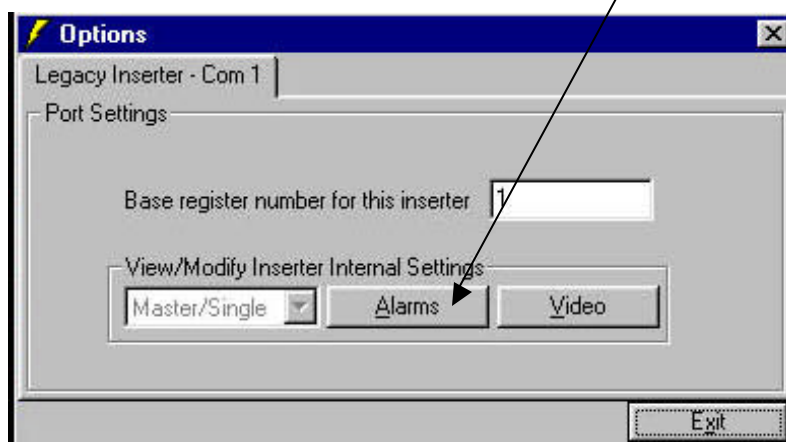
Base Register Number will most often be used when DCM is used with 1066As or older 2100 series text inserters. TVC-2100s, version 11 and later can be configured themselves to adjust register numbers both in the data stream sent to DCM and for on-screen text insertion. Use a touch-tone telephone and enter 31# to reach the menu. *If the register numbers are adjusted in the 2100, the Base Register Number does not need to be adjusted in Data Capture.*

To adjust the Base Register Number for a com port, in the dialog box enter the base number in the text box on that com port's settings tab.

## Alarms

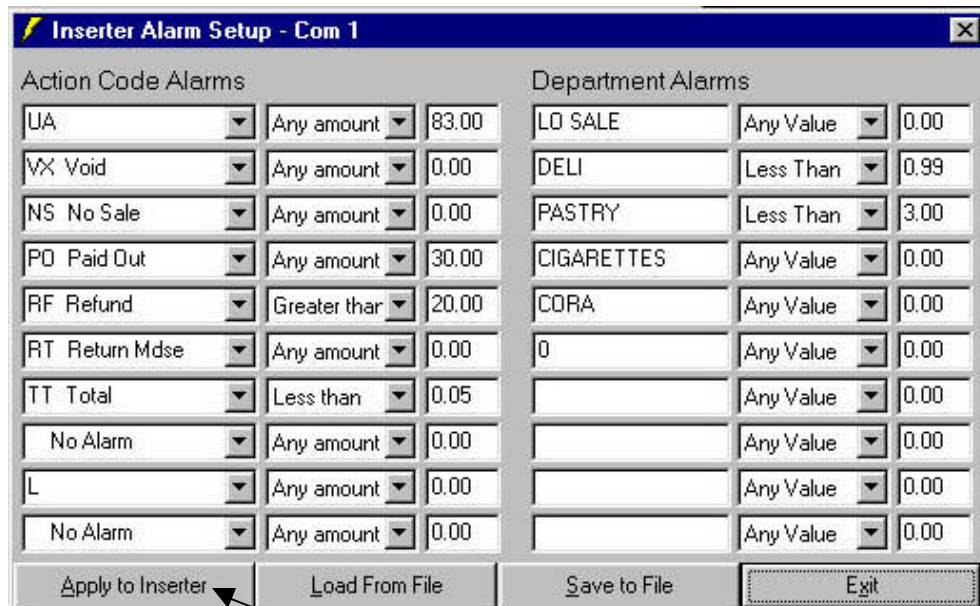
*Note: Not all alarms are available on all POS systems. Alarms are dependent on the data sent by the POS system.*

To program and set alarms using Data Capture, click the Alarms button.



**Figure 12**

The alarm set-up window appears. There are 10 action code alarms available and 10 department (description) alarms as well. Alarms can be customizable by selecting the type of transaction (action code), line item, the value, or by selecting a modifier (less than, greater than, equal to).



**Figure 13**

After setting up the alarms, click the Apply to Inserter button. Once set, any transaction that fits the alarm criteria will flash on the video screen as it scrolls across.

## Video Settings

To adjust the appearance of text on the screen, click the Video button.

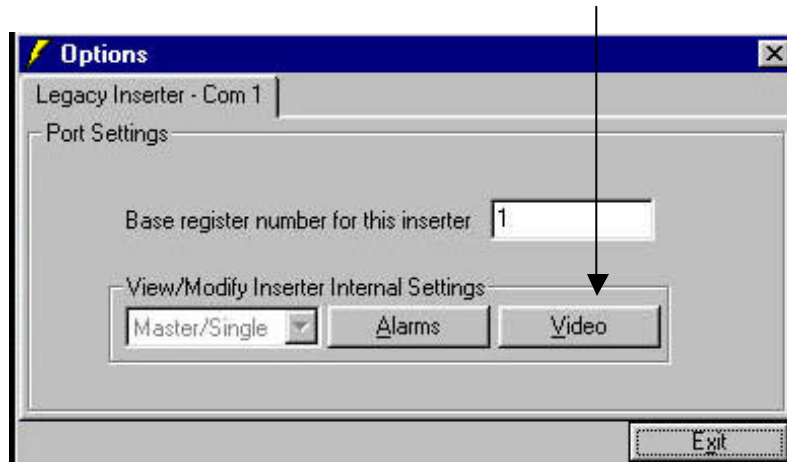


Figure 14

The video set-up window appears.

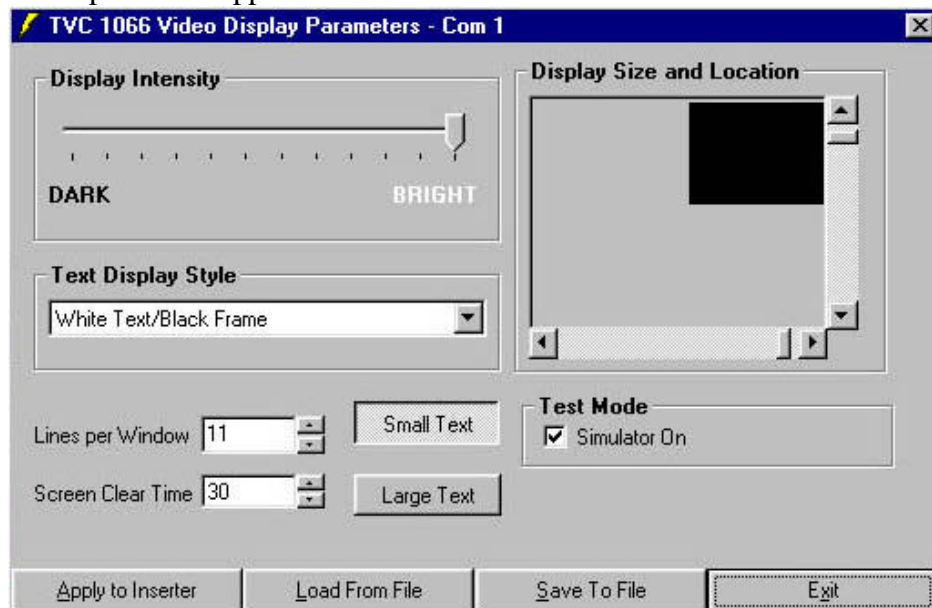
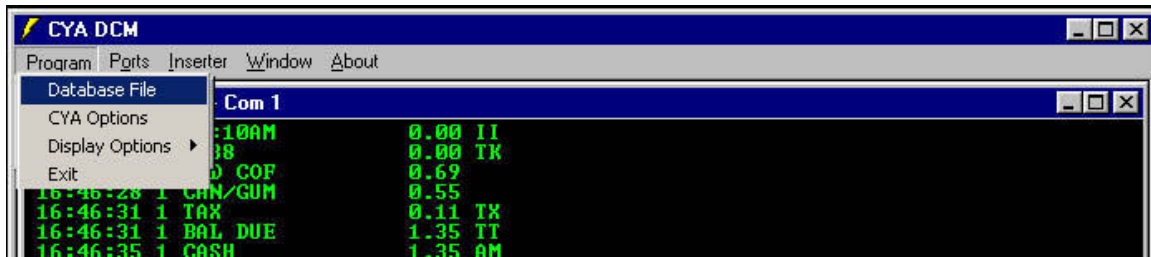


Figure 15

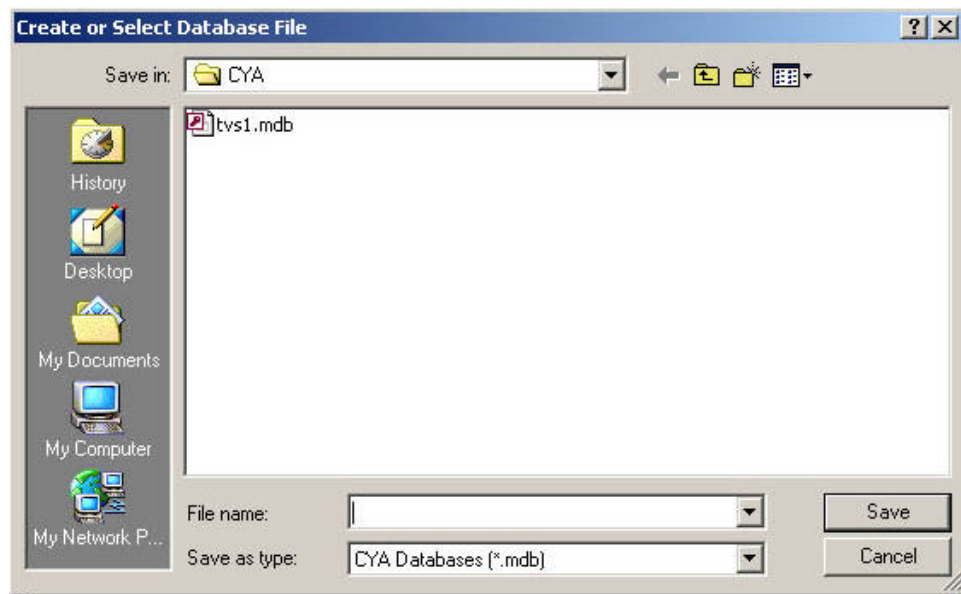
The text appearance can be adjusted in a variety of ways: screen position, small or large text, lines per window (2 – 12), the amount of time on the screen, backgrounds for the text, and the brightness of the text. Once the desired settings are selected, click the Apply to Inserter button. The text will adjust accordingly on the video monitor.

## Database File



**Figure 16**

By default, both DCM and CYA install to folder C:\Program Files\CYA. By default, the CYA database will also be created in this folder. To create a database in a different location, select *Database Location* under the Program menu.



**Figure 17**

Navigate through the system to a different folder or create a new folder on the drive you wish to store the data. Create a name for the database and click on the *Save* button. DCM will now direct all data to that database.



## DCM Options

The CYA DCM Options menu will set to automatically dump old data, and to show a report for the last full day collected. To access these options, point to the Program drop down menu and select CYA Options.

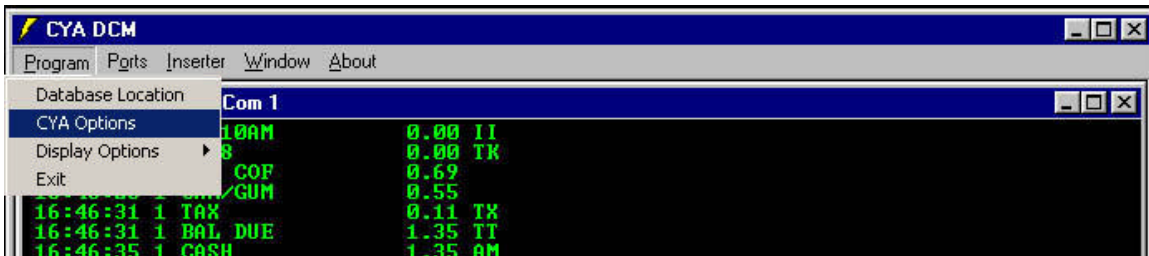
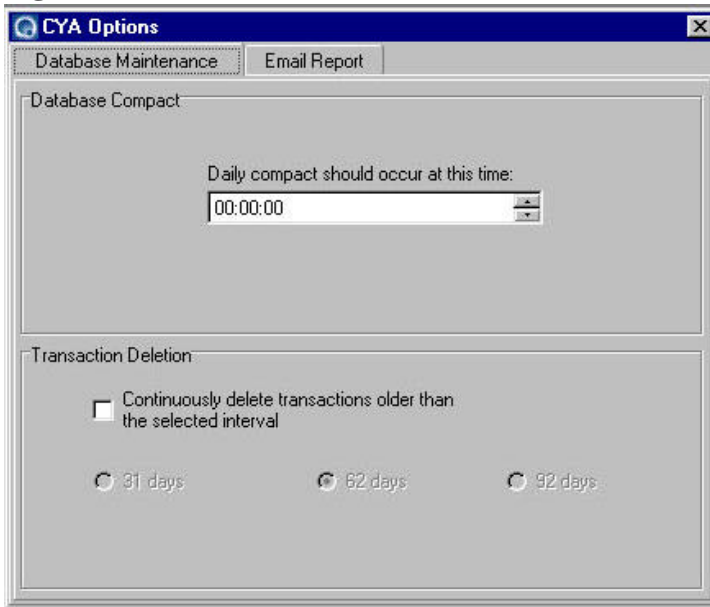


Figure 18

## Database Maintenance

Figure 19



The Database Maintenance tab contains two selections.

*Database Compact* will compact the database once a day, at the desired time the user wishes to set in a 24 hour period. You have the option of selecting the time this occurs should the computer be turned off at certain times of the day. The database writes to a text file while compacting is going on so the system does not lose any transactions. The text file is then imported automatically into the database when compacting is completed.

*Transaction Deletion* will delete anything older than the first day of the previous month. When selected, this option automatically dumps old data and frees up more hard drive space. This can also be done manually from the CYA database options. Deletion can also occur at 31, 62, and 92 day intervals. **Note: Do not set the compact time at the same time that the DVR is set to restart. This may corrupt the database.**

## Email Report

This option sends a daily summary report for the last full day of data collected to the desired email address(es) specified.

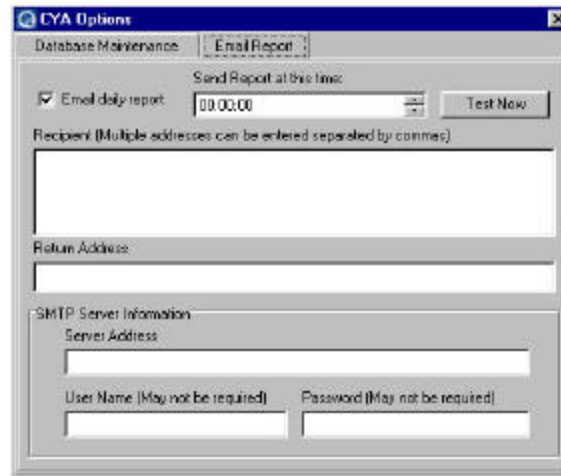


Figure 20

## CYA Database Options

### Database File

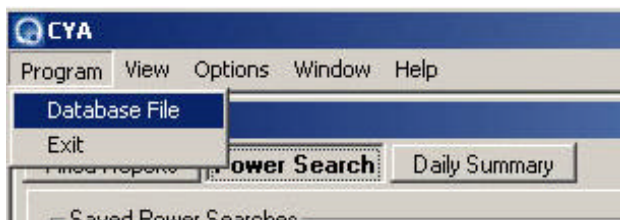
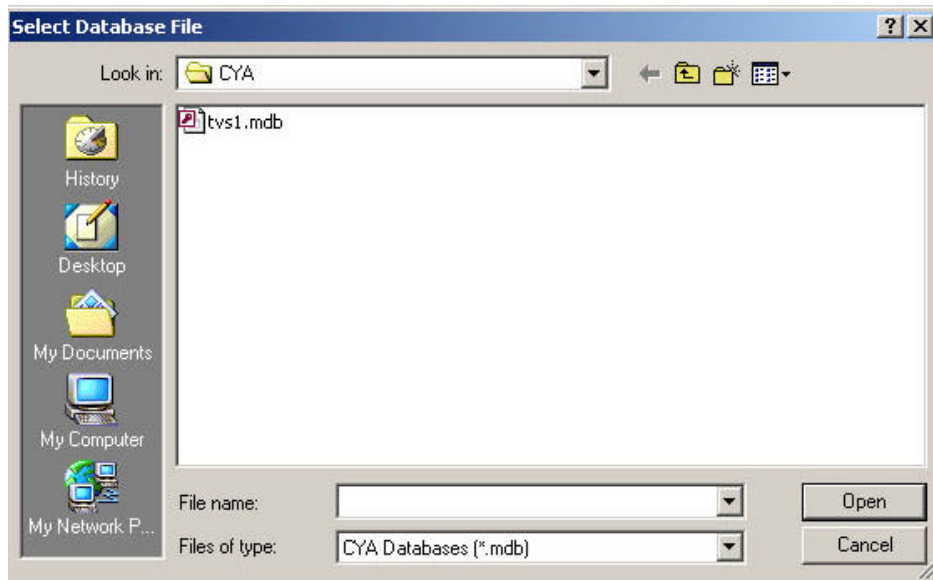


Figure 21

As with DCM, CYA can work with different database files. Go to *Program* menu and select *Database File*.

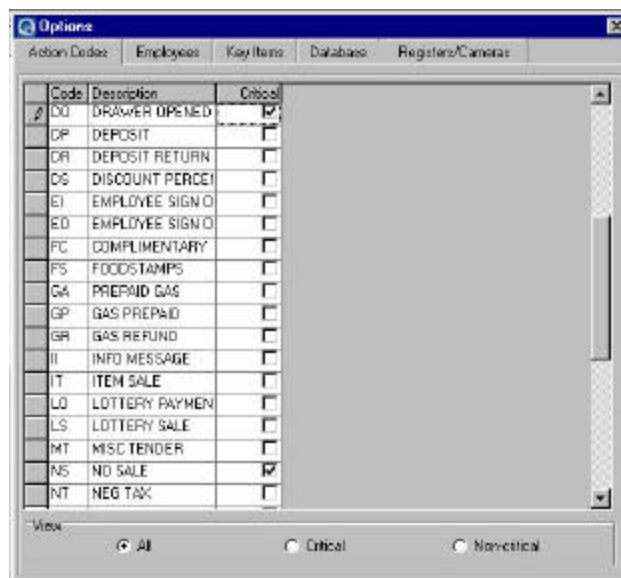


**Figure 22**

Find the folder with the database you wish to search on, click the *Open* button, and CYA will pull data from that location until another database location is selected.

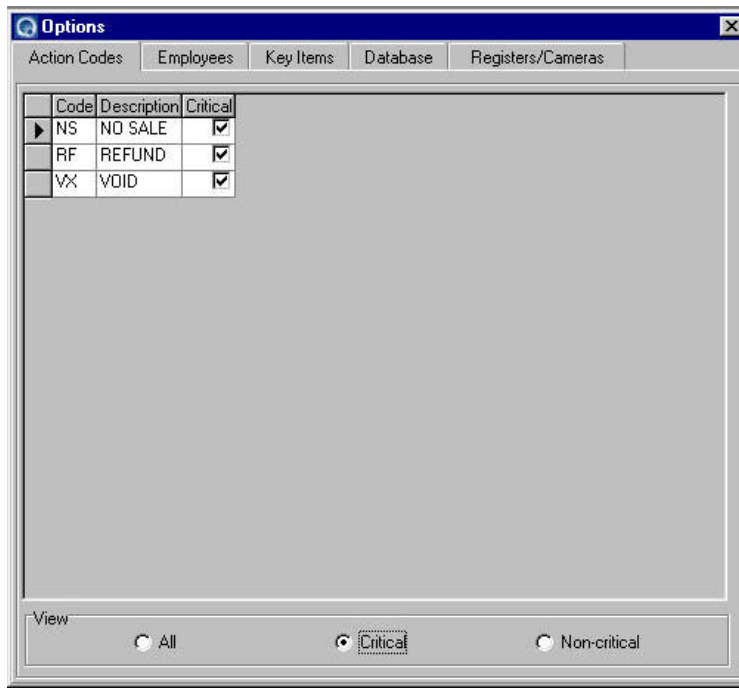
The CYA database options allow for configuration of data, data display, and filtering capability for transaction searching. Go to *Options* menu, select *Database*:

### Action Codes



**Figure 23**

Action codes (Figure 18) are listed by which the most common are in use. Action codes can be selected as critical or non-critical. Critical action codes are checked. If you select just critical action codes, a list of just those action codes will be displayed (Figure 19).



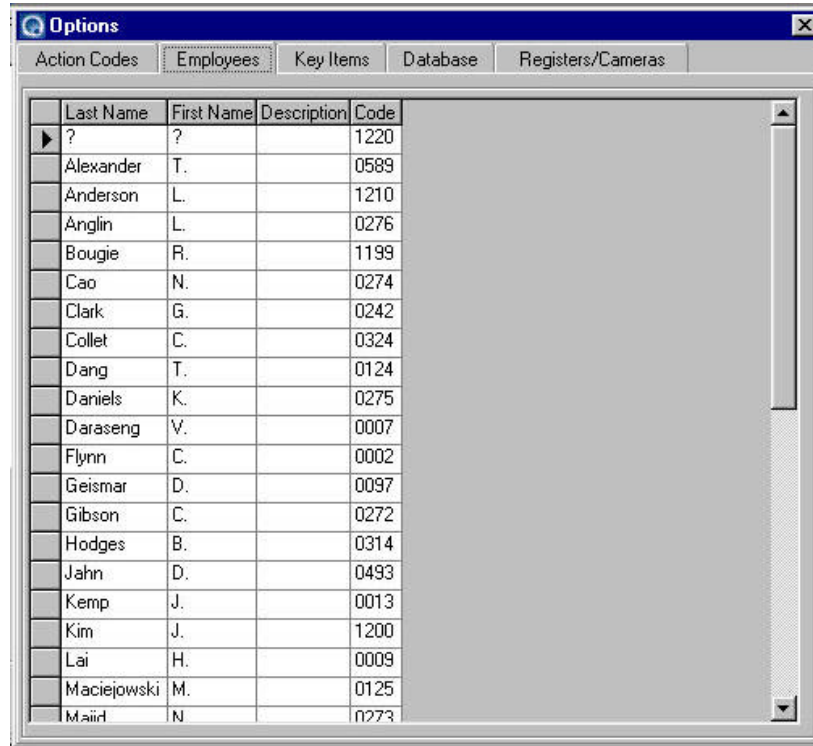
**Figure 24**

Using fixed reports (discussed later in this manual), an option can be checked to do searching geared for these action codes, only. Sometimes an action code may come in as “No Description”. Should this occur (Figure 20), look at the line item on the ticket item or report, and then manually type in a new description.

Code	Description	Critical
GA	PREPAID GAS	<input type="checkbox"/>
GP	GAS PREPAID	<input type="checkbox"/>
GR	GAS REFUND	<input type="checkbox"/>
II	INFO MESSAGE	<input type="checkbox"/>
IT	ITEM SALE	<input type="checkbox"/>
LO	LOTTERY PAYMEN	<input type="checkbox"/>
LS	LOTTERY SALE	<input type="checkbox"/>
MT	MISC TENDER	<input type="checkbox"/>
NS	NO SALE	<input checked="" type="checkbox"/>
NT	NEG TAX	<input type="checkbox"/>
OT	No Description	<input type="checkbox"/>
OV	OVERRIDE	<input type="checkbox"/>
PL	PRICE LOOKUP	<input type="checkbox"/>
PO	PAID OUT	<input type="checkbox"/>
RA	RCVD ON ACCT	<input type="checkbox"/>
RF	REFUND	<input checked="" type="checkbox"/>
RT	RETURN	<input type="checkbox"/>
ST	SUBTOTAL	<input type="checkbox"/>

**Figure 25**

## Employees

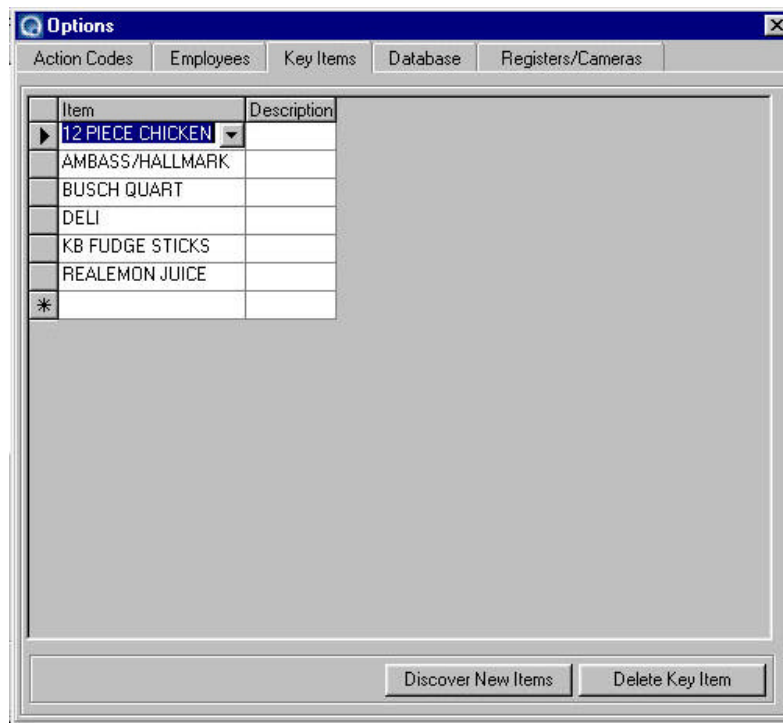


Last Name	First Name	Description	Code
?	?		1220
Alexander	T.		0589
Anderson	L.		1210
Anglin	L.		0276
Bougie	R.		1199
Cao	N.		0274
Clark	G.		0242
Collet	C.		0324
Dang	T.		0124
Daniels	K.		0275
Daraseng	V.		0007
Flynn	C.		0002
Geismar	D.		0097
Gibson	C.		0272
Hodges	B.		0314
Jahn	D.		0493
Kemp	J.		0013
Kim	J.		1200
Lai	H.		0009
Maciejowski	M.		0125
Maid	N		0273

**Figure 26**

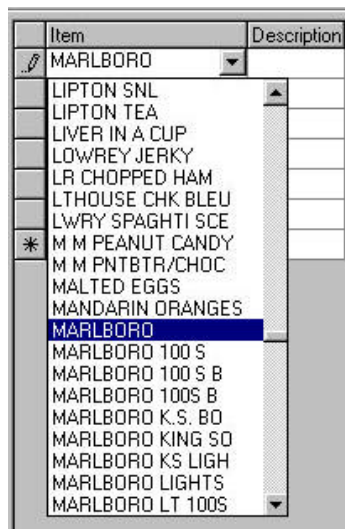
Many register and POS systems provide an employee ID alphanumeric code. If the make and model of register/POS is developed and integrated with TVS hardware, CYA will recognize and store the code in the right column. If you know the name of the clerk that is associated with that code, you may type that clerk's name in the columns to the left. When generating reports for clerk data, the corresponding report will provide the code along with the name and description. *Note: not all registers or POS units necessarily provide a clerk ID.* The *Description* column is user definable. For instance, job titles can be entered here.

## Key Items




**Figure 27**

Key items are line items, or text items, that the user may want to keep an eye on how many transactions are rung up over time. For instance, you may want to add as a key item how many packs of Marlboro cigarettes were sold.



**Figure 28**

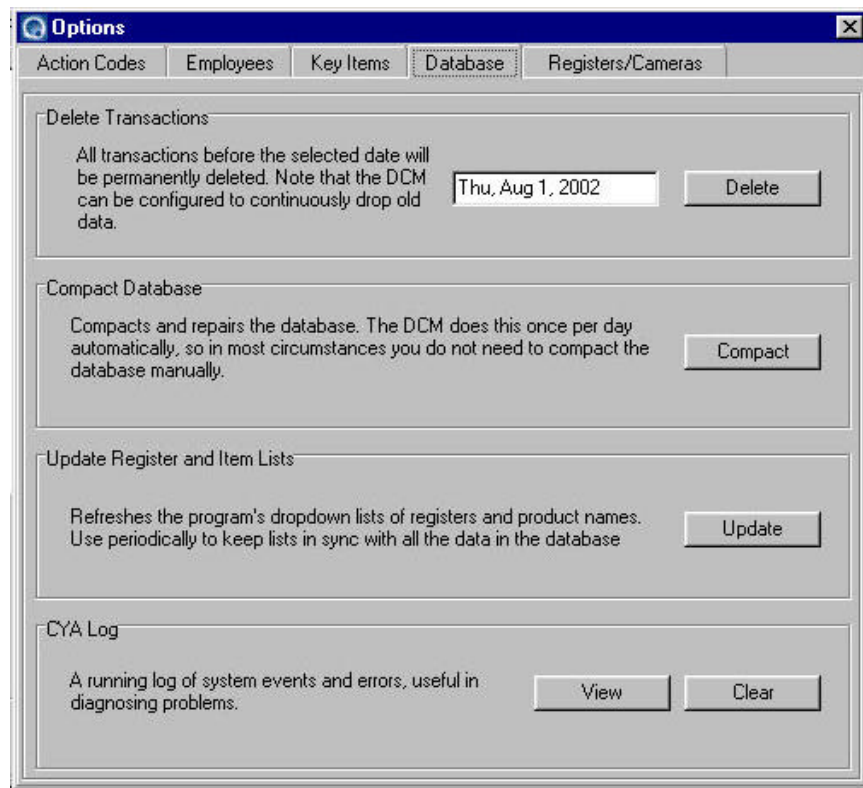
The item may be selected from the drop down menu in the top field.

	Item	Description
	MARLBORO	
	AMBASS/HALLMARK	
	BUSCH QUART	
	DELI	
	KB FUDGE STICKS	
	REALEMON JUICE	
*		

**Figure 29**

The item is added to the key item list. This category is available in the list of fixed reports (see fixed reports). It is wise to periodically click the *Discover New Items* button to add new merchandise to the list.

## Database



**Options**

Action Codes Employees Key Items **Database** Registers/Cameras

**Delete Transactions**

All transactions before the selected date will be permanently deleted. Note that the DCM can be configured to continuously drop old data.

Thu, Aug 1, 2002 Delete

**Compact Database**

Compacts and repairs the database. The DCM does this once per day automatically, so in most circumstances you do not need to compact the database manually.

Compact

**Update Register and Item Lists**

Refreshes the program's dropdown lists of registers and product names. Use periodically to keep lists in sync with all the data in the database

Update

**CYA Log**

A running log of system events and errors, useful in diagnosing problems.

View Clear

**Figure 30**

The database option offers the following features:

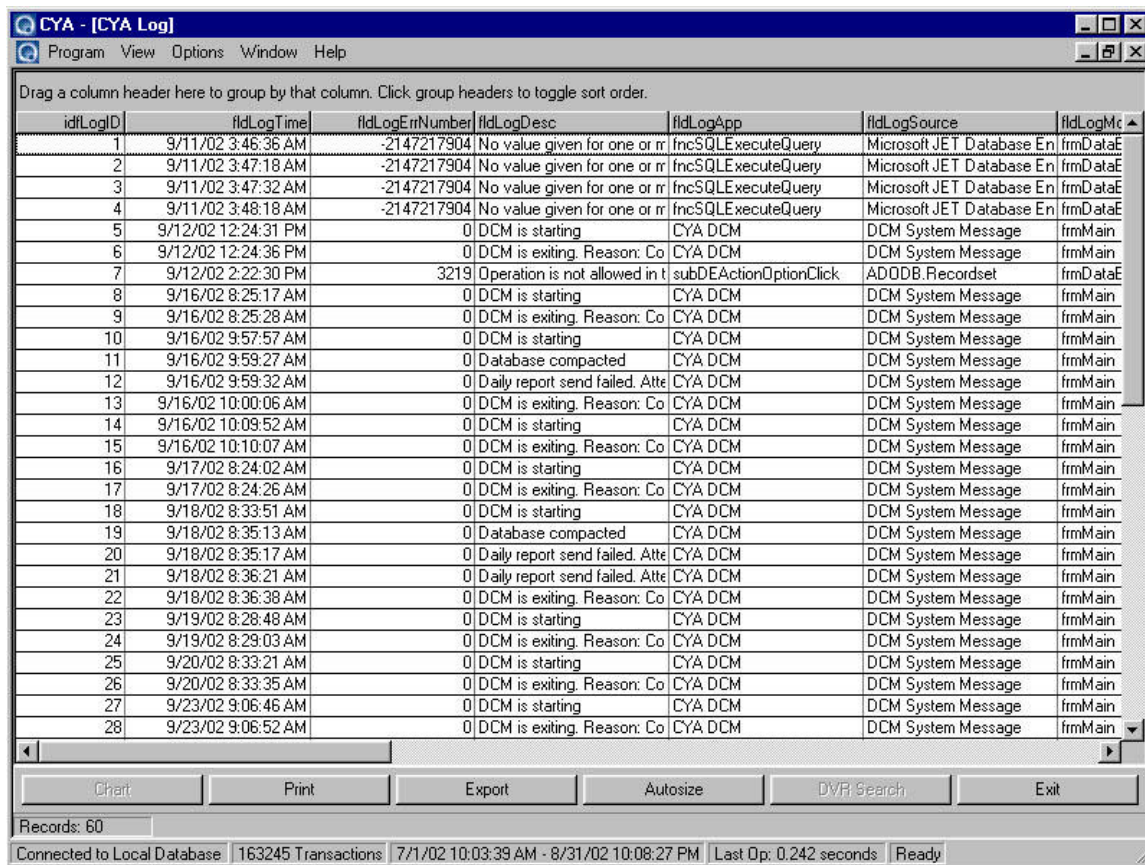
Delete Transactions: Transactions prior to the selected date will be permanently deleted in order to maximize drive space. *\*You will be prompted twice before CYA performs this action. Be sure this is data you wish to remove.*



Compact Database: Compacts and repairs the database. Data Capture does this once per day, automatically, so this is usually not necessary.

Update Register and Item Lists: Refreshes the program's dropdown lists of registers and product names. As new items or products are added, or a register is connected to the system the first time, click this button to add these to the associated lists.

CYA Log: This log documents system events and errors. It also provides information on when DCM goes on or off line, and also from where a remote user is logging in. Events from the log may be deleted.



idLogID	fldLogTime	fldLogErrNumber	fldLogDesc	fldLogApp	fldLogSource	fldLogMsg
1	9/11/02 3:46:36 AM	-2147217904	No value given for one or m	IncSQLExecuteQuery	Microsoft JET Database En	frmDataE
2	9/11/02 3:47:18 AM	-2147217904	No value given for one or m	IncSQLExecuteQuery	Microsoft JET Database En	frmDataE
3	9/11/02 3:47:32 AM	-2147217904	No value given for one or m	IncSQLExecuteQuery	Microsoft JET Database En	frmDataE
4	9/11/02 3:48:18 AM	-2147217904	No value given for one or m	IncSQLExecuteQuery	Microsoft JET Database En	frmDataE
5	9/12/02 12:24:31 PM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
6	9/12/02 12:24:36 PM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
7	9/12/02 2:22:30 PM	3219	Operation is not allowed in t	subDEActionOptionClick	ADODB.Recordset	frmDataE
8	9/16/02 8:25:17 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
9	9/16/02 8:25:28 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
10	9/16/02 9:57:57 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
11	9/16/02 9:59:27 AM	0	Database compacted	CYA DCM	DCM System Message	frmMain
12	9/16/02 9:59:32 AM	0	Daily report send failed. Atte	CYA DCM	DCM System Message	frmMain
13	9/16/02 10:00:06 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
14	9/16/02 10:09:52 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
15	9/16/02 10:10:07 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
16	9/17/02 8:24:02 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
17	9/17/02 8:24:26 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
18	9/18/02 8:33:51 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
19	9/18/02 8:35:13 AM	0	Database compacted	CYA DCM	DCM System Message	frmMain
20	9/18/02 8:35:17 AM	0	Daily report send failed. Atte	CYA DCM	DCM System Message	frmMain
21	9/18/02 8:36:21 AM	0	Daily report send failed. Atte	CYA DCM	DCM System Message	frmMain
22	9/18/02 8:36:38 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
23	9/19/02 8:28:48 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
24	9/19/02 8:29:03 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
25	9/20/02 8:33:21 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
26	9/20/02 8:33:35 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain
27	9/23/02 9:06:46 AM	0	DCM is starting	CYA DCM	DCM System Message	frmMain
28	9/23/02 9:06:52 AM	0	DCM is exiting. Reason: Co	CYA DCM	DCM System Message	frmMain

Records: 60

Connected to Local Database 163245 Transactions 7/1/02 10:03:39 AM - 8/31/02 10:08:27 PM Last Op: 0.242 seconds Ready

**Figure 31**



## Registers/Cameras

Figure 32

Register	DVR Address/ID	UserName	Password	Camera
1	Tim			1
2	Tim			2
4	Tim			3
8	Tim			4
10	New			1
12	New			2
16	New			3
32	New			4
64	Main			1
99	asdf			2
999				14

Register to camera assignment allows you to assign which register text will show up on a particular camera. Only one camera should be assigned per register. DVR address and ID options are available for multiple register situations where more than one dvr are being utilized, and where dialing in is required. DVR passwords are also available in this option. *Discover Registers* maps a register to a camera. Be sure to do this in

order to do dvr searches within CYA. *Not all DVR manufacturers require the fields such as DVR Address, User Name or Password, so you may not be required to use all the fields other than Register number and camera.*

## DVR Communication Options

☒ TVS Standard (Most DVRs)

☐ DVMS Protocol

OK

Figure 33

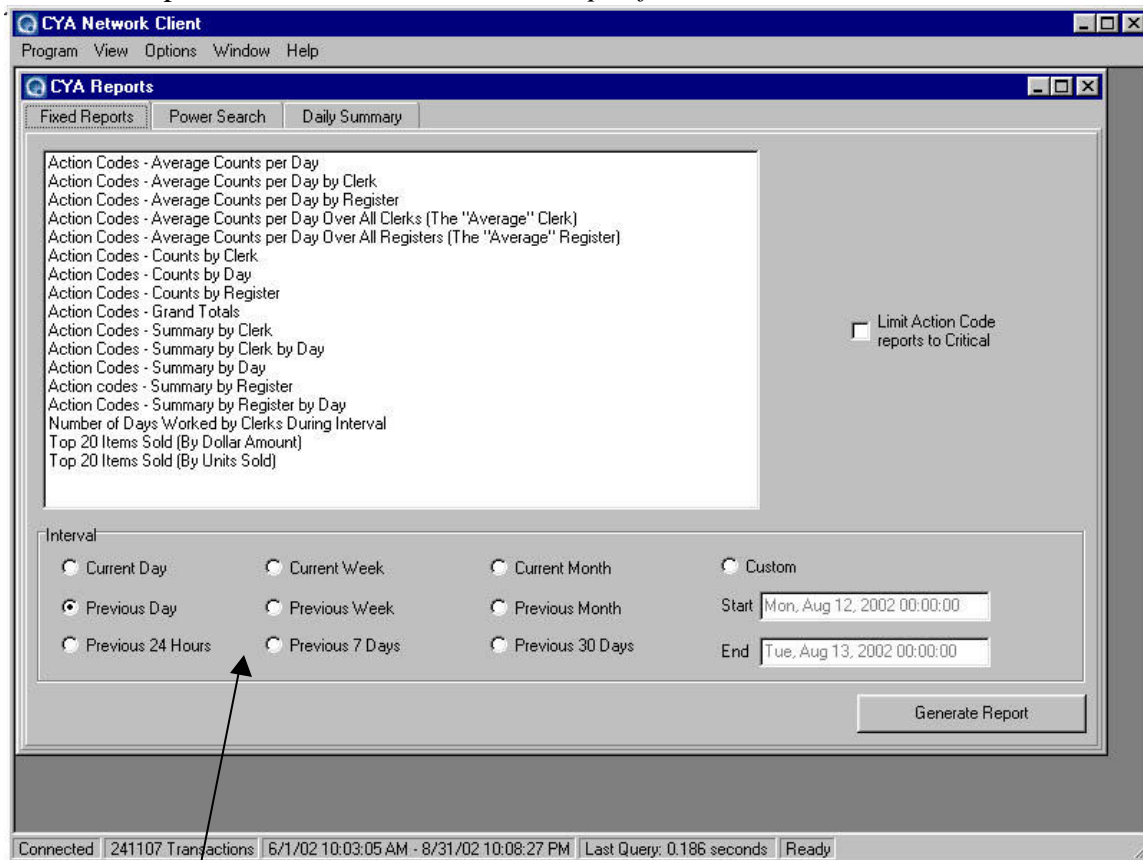
The DVR connection method (figure 28) chooses the method CYA uses to communicate with the DVR. In most cases, by default, the TVS Standard is used. A few manufacturers use the DVMS protocol to connect with CYA.

# Reports

## Fixed Reports

*Note: Not all reports are available on all machines. Reporting capabilities are dependent on data available on your specific POS system.*

With fixed reports, the user can select on *all* or *specific* transactions.



**Figure 34**

The time period for the report may cover a range from the current day, week or month. Additionally, the report may cover the previous day, week or month, and may be designated as the previous 24 hours, 7 days, or 30 days. The status bar at the bottom indicates the number of transactions (lines) that have occurred, and the range of time in which they happened.

Interval

☐ Current Day   
 ☐ Current Week   
 ☐ Current Month   
 ☒ Custom

☒ Previous Day   
 ☐ Previous Week   
 ☐ Previous Month

☐ Previous 24 Hours   
 ☐ Previous 7 Days   
 ☐ Previous 30 Days

Start: Mon, Aug 12, 2002 00:00:00

End: Tue, Aug 13, 2002 00:00:00

Generate Report

**Figure 35**

The user may also define a specific range of time via day of the week, month and date, year, and time, using the custom feature.

Transactions may be “filtered” (Figure 20 on page 18) by selecting the criteria for the type of transaction the user is trying to find. This may be via action code (CC = credit card, VX = voids, RF = refund, etc.), shift, date, clerk, items and amounts.

Action Codes - Average Counts per Day  
 Action Codes - Average Counts per Day by Clerk  
 Action Codes - Average Counts per Day by Register  
 Action Codes - Average Counts per Day Over All Clerks (The "Average" Clerk)  
 Action Codes - Average Counts per Day Over All Registers (The "Average" Register)  
 Action Codes - Counts by Clerk  
 Action Codes - Counts by Day  
 Action Codes - Counts by Register  
 Action Codes - Grand Totals  
 Action Codes - Summary by Clerk  
 Action Codes - Summary by Clerk by Day  
 Action Codes - Summary by Day  
 Action codes - Summary by Register  
 Action Codes - Summary by Register by Day  
 Number of Days Worked by Clerks During Interval  
 Top 20 Items Sold (By Dollar Amount)  
 Top 20 Items Sold (By Units Sold)

**Figure 36**





Each report provides several options on how to look at the data.



**Figure 41**

Chart: 3D chart displaying the appropriate averages and numbers defined in the report criteria. *If the data is not chartable, this button will be grayed out.*

Print: A print preview box is displayed. Report may be printed to any standard printer.

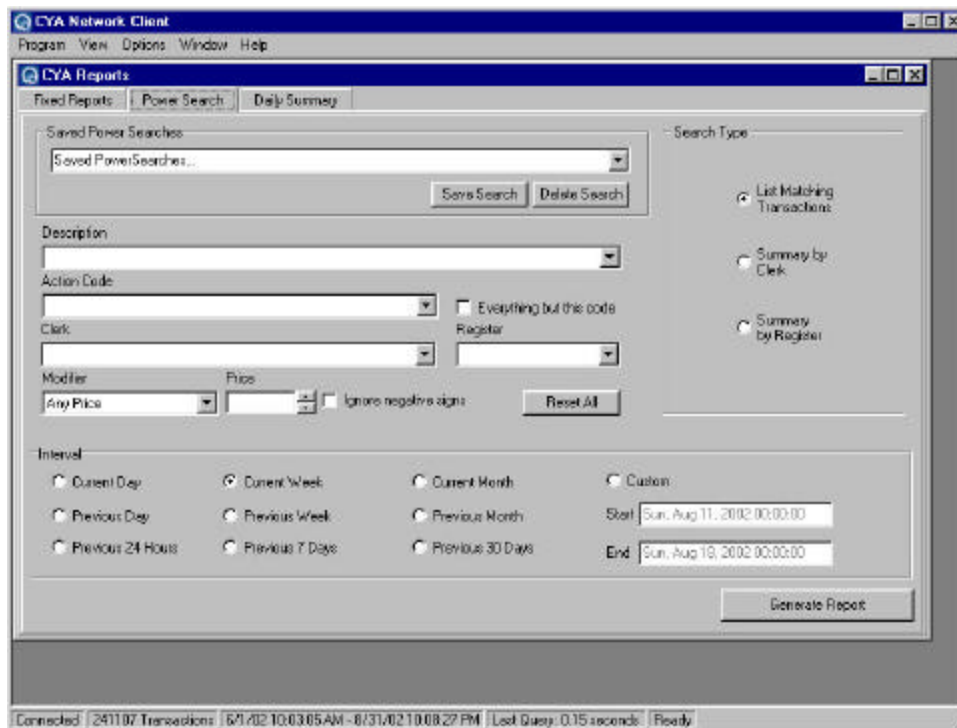
Export: This button will prompt the user for three types of format: comma delimited text, HTML, or MS Excel Spreadsheet.

Autosize: This button will equalize the size of all the columns so that they are the same width. *\*Note, the last column stays large. To overcome this, resize the page to make it narrower, then hit autosize again. Resize the page out and the columns should match up in width.*

Exit: To exit the report and return to Fixed Report tab.

## Power Search

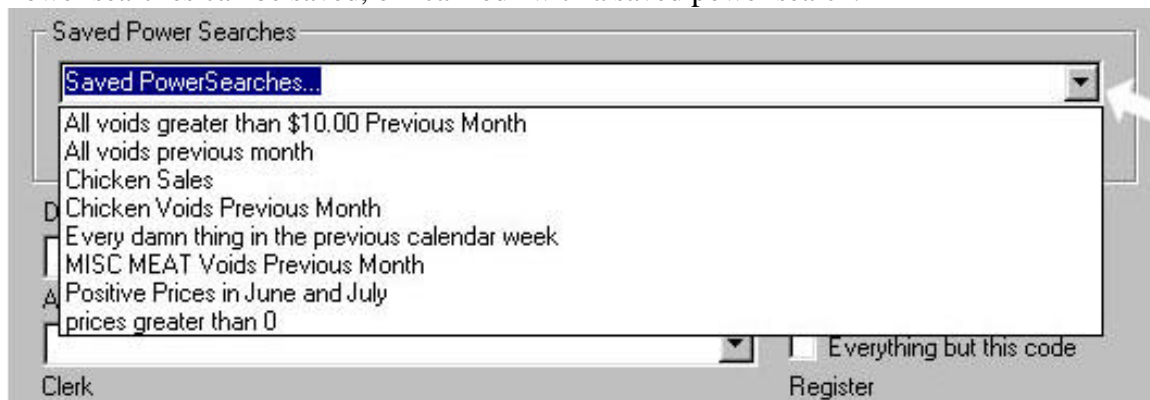
The Power Search (Figure 26) allows the user to quickly define a search and find all matching incidents in the current data set. Suspicious transactions found in this manner can be selected and the surrounding transactions called up in the Register Pattern window.



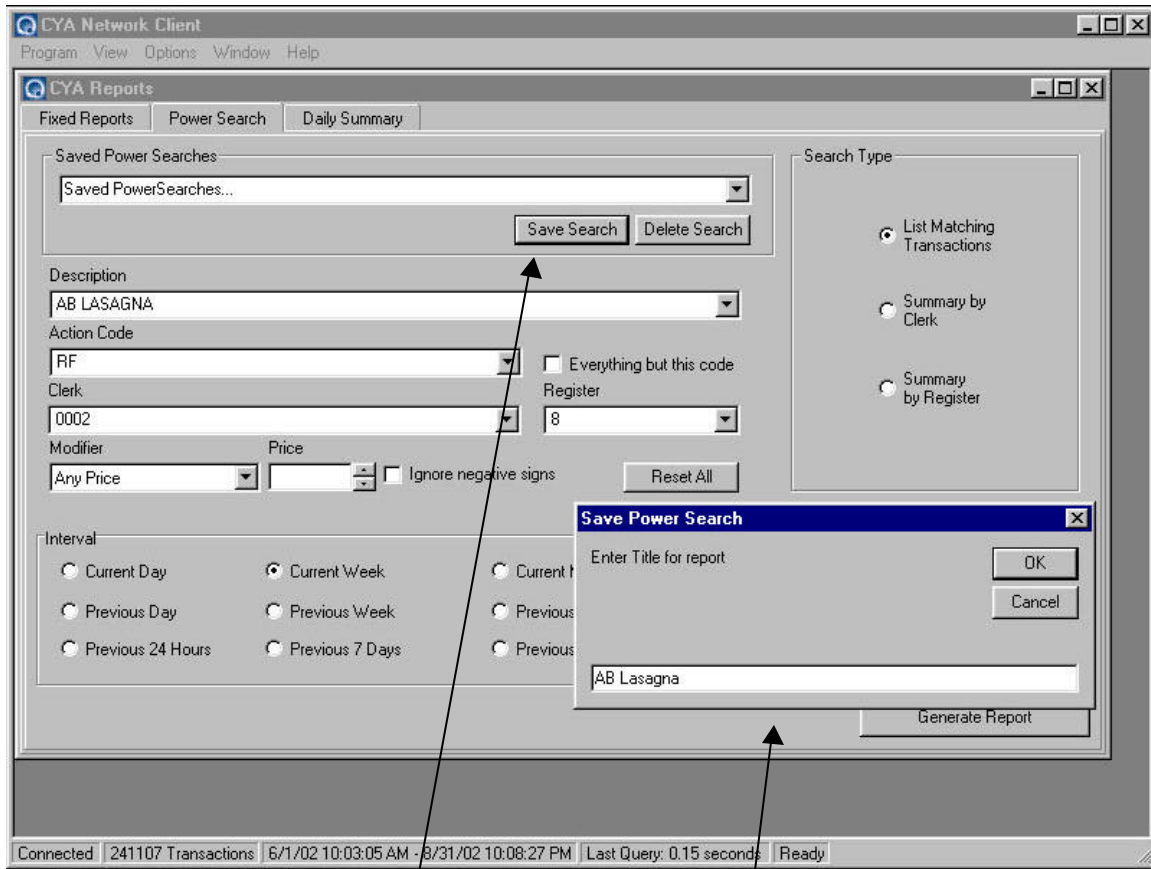
**Figure 42**

The power search utilizes seven search fields: location, card number, function, serial number, ATM and amount. **\*It should be noted that with using the description field, text/line items can be searched using a wild card symbol (%). For instance, if the user wishes to search on anything with the word chicken in it, type %chicken%. For No Sales, type %no sale%, %nosale%, or even %no%sale% (to bring up either no sale or nosale).**

Power searches can be saved, or “canned” with a saved power search.



**Figure 43**



**Figure 44**

Set up your search criteria, click Save Search, and a pop up window displays, asking for a title. After typing the title, click ok, and the report is saved to the drop down window.



Search Type

☒ List Matching Transactions

☐ Summary by Clerk

☐ Summary by Register

**Figure 45**

Reports can be generated by a list of matching transactions, clerk summary, or register summary.

Interval

☐ Current Day      ☒ Current Week      ☐ Current Month      ☐ Custom

☐ Previous Day      ☐ Previous Week      ☐ Previous Month

☐ Previous 24 Hours      ☐ Previous 7 Days      ☐ Previous 30 Days

Start:

End:

**Figure 46**

As with the fixed reports, the time period for the report may cover a range from the current day, week or month, and may be customized.

## Generating a report with Power Search

**CYA Reports**

Fixed Reports | Power Search | Daily Summary

Saved Power Searches: Chicken Voids Previous Month

Description: 12 PIECE CHICKEN

Action Code: VX

Clerk:

Modifier: Any Price

Price:

☐ Everything but this code Register

☐ Ignore negative signs

Reset All

Search Type

☒ List Matching Transactions

☐ Summary by Clerk

☐ Summary by Register

Interval

☐ Current Day

☐ Previous Day

☐ Previous 24 Hours

☐ Current Week

☐ Previous Week

☐ Previous 7 Days

☐ Current Month

☒ Previous Month

☐ Previous 30 Days

Start: Mon, Jul 1, 2002 00:00:00

End: Thu, Aug 1, 2002 00:00:00

Generate Report

### Figure 47

Set up the search criteria for the Power Search and click the Generate Report button.

[illegible]

### Figure 48

A table is created, displaying any transactions that match the search criteria.

As with the fixed reports, each power search report provides several options on how to look at the data.



**Figure 49**

Chart: 3D chart displaying the appropriate averages and numbers defined in the report criteria. *If the data is not chartable, this button will be grayed out.*

Print: A print preview box is displayed. Report may be printed to any standard printer.

Export: This button will prompt the user for three types of format: comma delimited text, HTML, or MS Excel Spreadsheet.

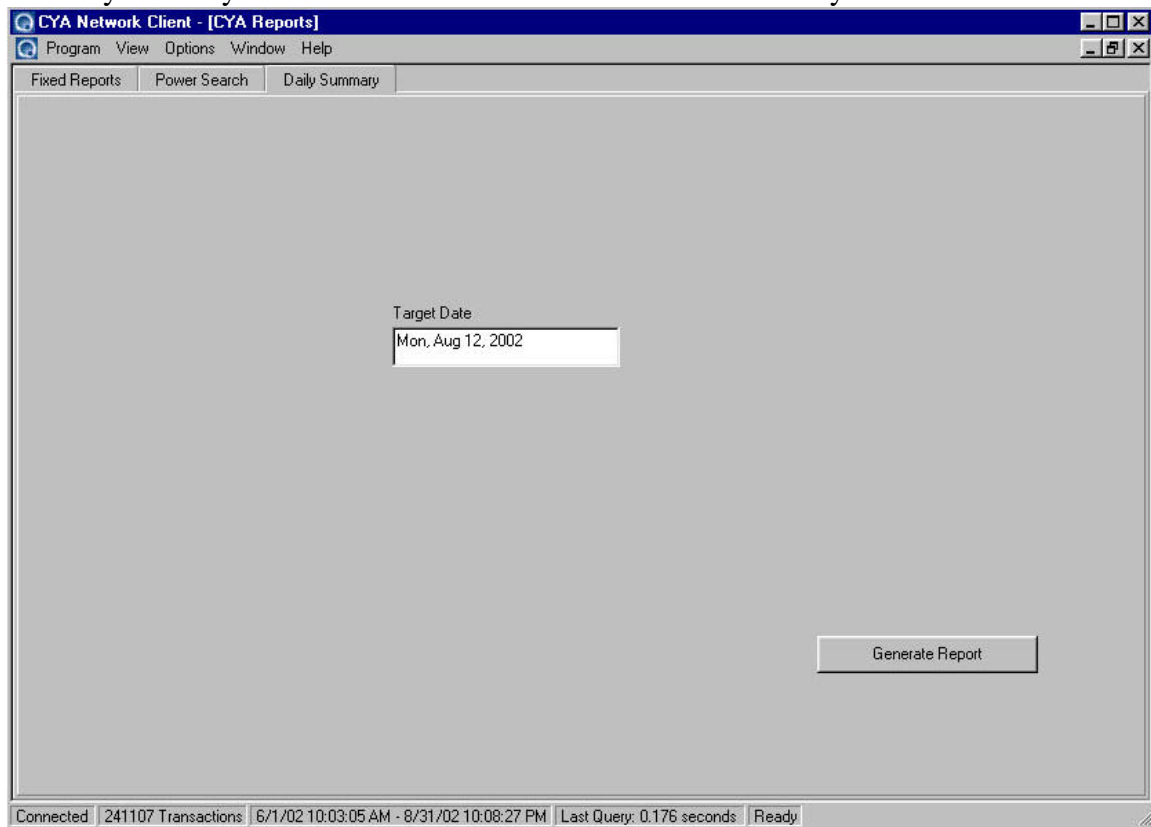
Autosize: This button will equalize the size of all the columns so that they are the same width. *\*Note, the last column stays large. To overcome this, resize the page to make it narrower, then hit auto size again. Resize the page out and the columns should match up in width.*

DVR Search: This button is available for copies of CYA that are integrated with a digital recording device. Select the transaction to be viewed, press the button, and a player appears with the corresponding video image with the transaction text overlaid.

Exit: To exit the report and return to Fixed Report tab.

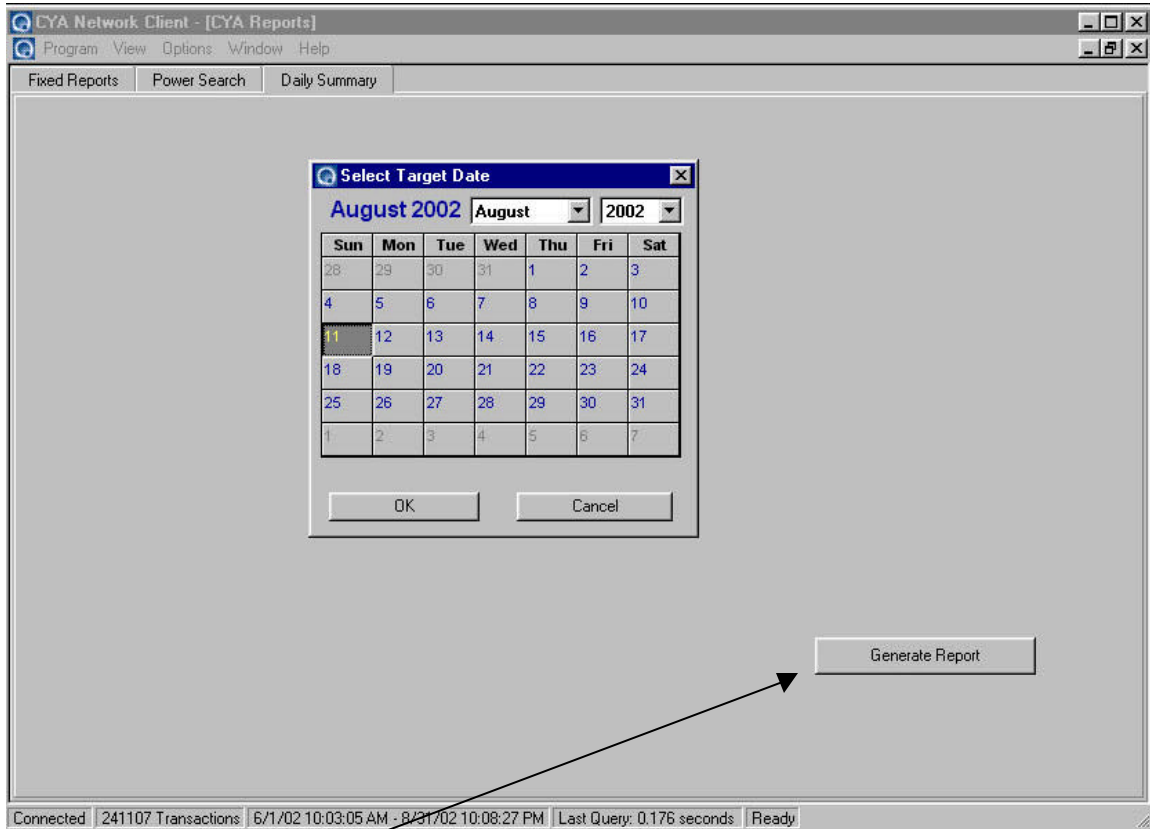
## Daily Summary

The daily summary contains all transactional data from the last full day collected.



**Figure 50**

Click in the Target Date field. A calendar pops up. Select the date you wish to report on and hit ok.



**Figure 51**

Click the Generate Report button. CYA will take a few moments to calculate and compile the data. A report with three tables is generated.

The first table displays the number of transactions per action code that each clerk rang up that day.

Daily Summary Report - August 11, 2002									
Daily Summary Report - August 11, 2002									
On 08/11/2002 each clerk had these counts of each action code									
Clerk	<>	CL	NS	RF	ST	TK	TT	TX	VX
?, ? - 1220	91	22		4	21	21	21	21	
Alexander, T. - 0589	71	10			10	10	10	10	1
Anderson, L. - 1210	56	11		1	11	11	11	11	3
Bougie, R. - 1199	157	45	3	5	45	45	45	45	5
Daniels, K. - 0275	257	54	2	5	53	53	53	53	5
Flynn, C. - 0002	4				1	1	1	1	
Geismar, D. - 0097	119	19		3	19	19	19	19	2
Majid, N. - 0273	177	38		7	38	38	38	38	2
McCommon, J. - 0113	68	11		2	12	12	12	12	
Shumate, R. - 0271	153	33		4	32	32	32	32	3
Spahn, M. - 0330	133	34	3	2	35	35	35	35	2
Stocker, R. - 0367	84	21	1	4	20	20	20	20	3
Watkins, L. - 0329	176	33	1	3	33	33	33	33	3
Wessells, T. - 1198	5			1	1	1	1	1	

**Figure 52**

The second table provides the average of *all* clerks per action code over the last 30 days.

During the 30 days 07/12/2002 00:00 - 08/11/2002 00:00 the average clerk had these counts per day									
Code	<>	CL	NS	RF	ST	TK	TT	TX	VX
Avg per Day per Clerk	102.44	25.93	1.41	3.68	20.92	20.92	20.92	20.92	2.94

**Figure 53**

The third table provides the average of *each* clerk per action code over the last 30 days.

CYA Network Client - [Daily Summary Report - August 11, 2002]

Program View Options Window Help

During the 30 days 07/12/2002 00:00 - 08/11/2002 00:00 each clerk had an average of these counts per day

Clerk	<>	CL	NS	RF	ST	TK	TT	TX	VX
?, ? - 1220	99.78	24.29	1.00	2.33	18.89	18.89	18.89	18.89	1.86
Alexander, T. - 0589	114.77	27.18	1.60	4.10	23.00	23.00	23.00	23.00	3.44
Anderson, L. - 1210	60.17	21.25	1.50	3.00	14.17	14.17	14.17	14.17	3.00
Anglin, L. - 0276	121.92	24.85	2.75	3.55	24.85	24.85	24.85	24.85	3.42
Bougie, R. - 1199	146.33	39.00	2.20	4.25	29.17	29.17	29.17	29.17	3.33
Cao, N. - 0274	116.67	27.00	1.33	2.75	22.50	22.50	22.50	22.50	2.50
Clark, G. - 0242	106.71	24.67	1.75	2.33	21.14	21.14	21.14	21.14	3.00
Collet, C. - 0324	129.43	31.17	1.20	3.57	26.71	26.71	26.71	26.71	5.00
Dang, T. - 0124	75.23	21.56	1.00	3.71	14.92	14.92	14.92	14.92	2.67
Daniels, K. - 0275	130.50	32.50	1.25	4.75	26.00	26.00	26.00	26.00	2.86
Daraseng, V. - 0007	128.57	39.50	1.33	6.50	22.43	22.43	22.43	22.43	3.50
Flynn, C. - 0002	91.36	21.70	1.75	3.22	19.64	19.64	19.64	19.64	1.80
Geismar, D. - 0097	103.67	26.75	1.20	4.00	21.33	21.33	21.33	21.33	3.55
Gibson, C. - 0272	110.50	25.71	1.50	4.00	22.50	22.50	22.50	22.50	2.88
Hodges, B. - 0314	117.27	27.10	1.33	3.56	24.64	24.64	24.64	24.64	3.29
Jahn, D. - 0493	146.43	30.71	1.20	3.29	30.71	30.71	30.71	30.71	3.00
Kemp, J. - 0013	115.64	34.75	1.80	3.57	25.36	25.36	25.36	25.36	4.00
Kim, J. - 1200	108.77	26.64	1.00	3.45	22.54	22.54	22.54	22.54	2.89
Lai, H. - 0009	93.90	28.00	1.50	2.88	19.50	19.50	19.50	19.50	3.17
Maciejowski, M. - 0125	111.00	29.17	1.75	4.00	25.00	25.00	25.00	25.00	2.00
Majid, N. - 0273	94.71	22.83	2.00	3.60	19.71	19.71	19.71	19.71	2.00

Chart Counts Chart Avg by Clerk Print Export Exit

Connected | 241107 Transactions | 6/1/02 10:03:05 AM - 8/31/02 10:08:27 PM | Last Query: 0.212 seconds | Ready

**Figure 54**

The daily summary provides several options on how to look at the data.

Chart Counts	Chart Avg by Clerk	Print	Export	Exit
--------------	--------------------	-------	--------	------

**Figure 55**

Chart counts: Provides a 3D graphical representation of the transaction counts per action code. The chart can be exported to a bitmap format.

Chart avg by clerk: Provides a 3D graphical representation of the transaction counts for each clerk per action code. The chart can be exported to a bitmap format.

Print: Report may be printed to any standard printer.

Export: Report can be exported to html format only.

Exit: To exit the report and return to Daily Summary tab.

*\*Note about clerk log in (CL): the CL may appear when the clerk logs on, as well as appear on each transaction or ticket, so the average will take both into account. This is due to the functionality of each register, and may differ with each model.*

## Accessing DCM from CYA



Figure 56

Click on the Options menu and select *Show DCM*.

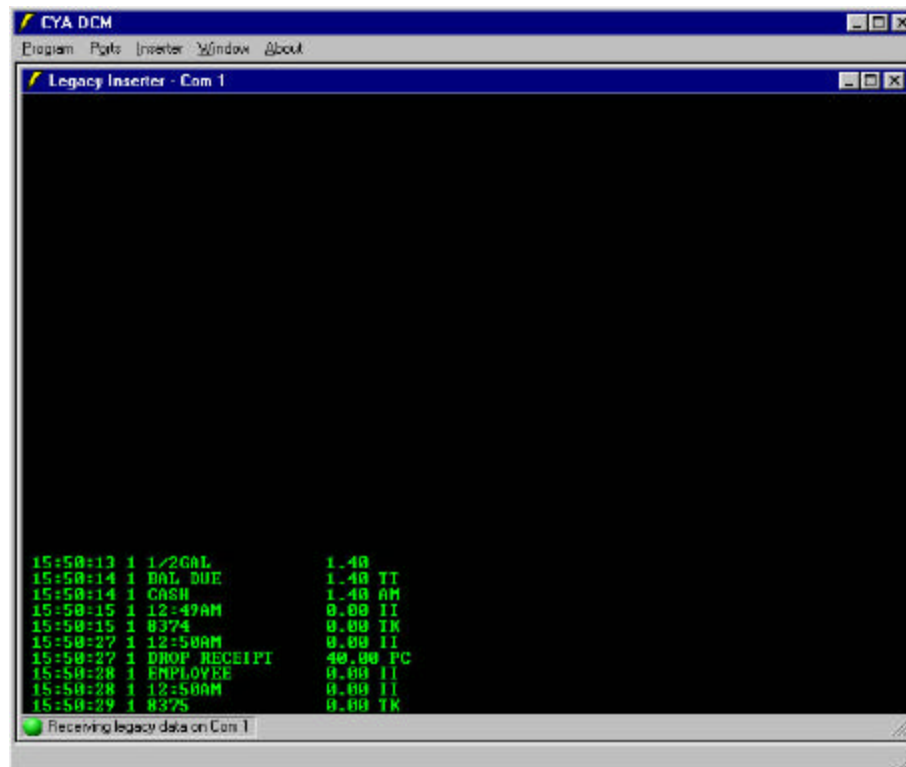


Figure 57

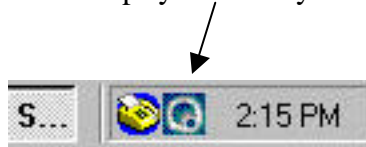
DCM is brought to the foreground to make any changes to text size, position, etc., or to add another text inserter/register set up.



# Remote Access

## CYA Server

For remote access to the CYA database, a copy of CYA Server should be installed onto the digital video recorder (DVR) or computer where DCM and the database are installed. Once CYA Server is started, an icon is displayed in the system tray in the bottom right hand corner.



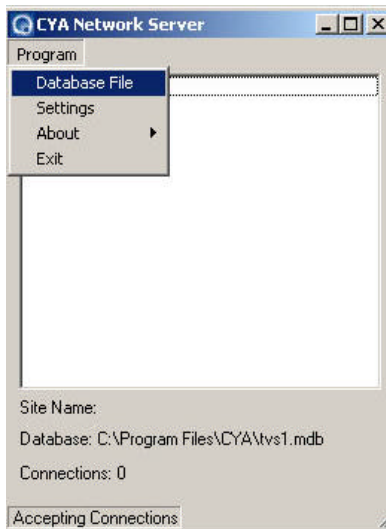
**Figure 58**

Right click on this icon to open the server window.



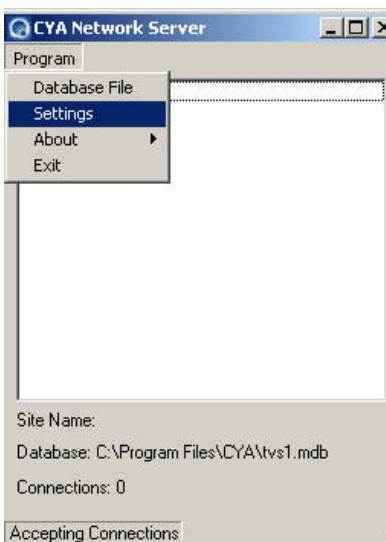
**Figure 59**

The server window pops up, displaying the site name once set, the location of the database it is directed to, and the amount of client connections that are present.



**Figure 60**

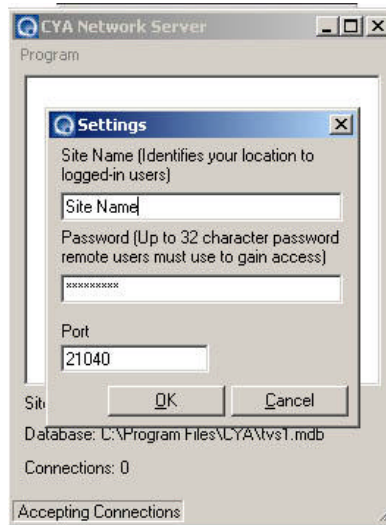
A database file can also be selected with the CYA Network Server if DCM has been set to save the database somewhere other than in the default location.



**Figure 61**

Under *Settings* is where the user sets the site name, password and port number to connect with a remote client.

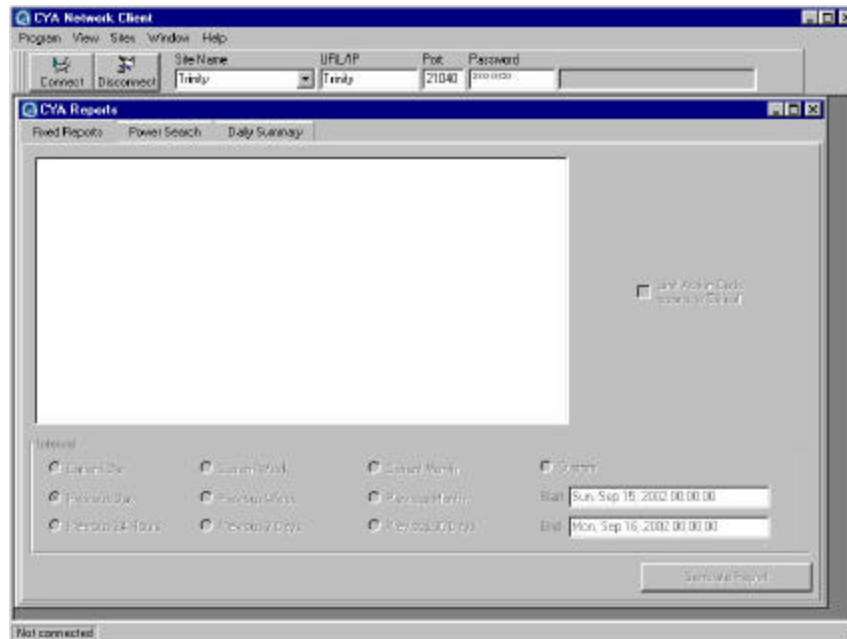
Type the site name. By default, the password is *cyaremote*. Simply typing in a new password can change this. 21040 is the default port i.d. Typing in another port i.d can also change this.



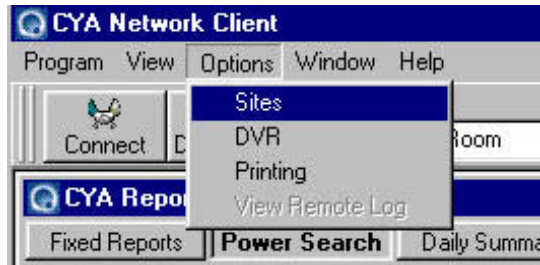
**Figure 62**

## CYA Remote Client

After installing the network (remote) client of CYA onto the client pc, start up the program. The CYA Network Client window opens (Figure 40), displaying the same report tabs as the local version.

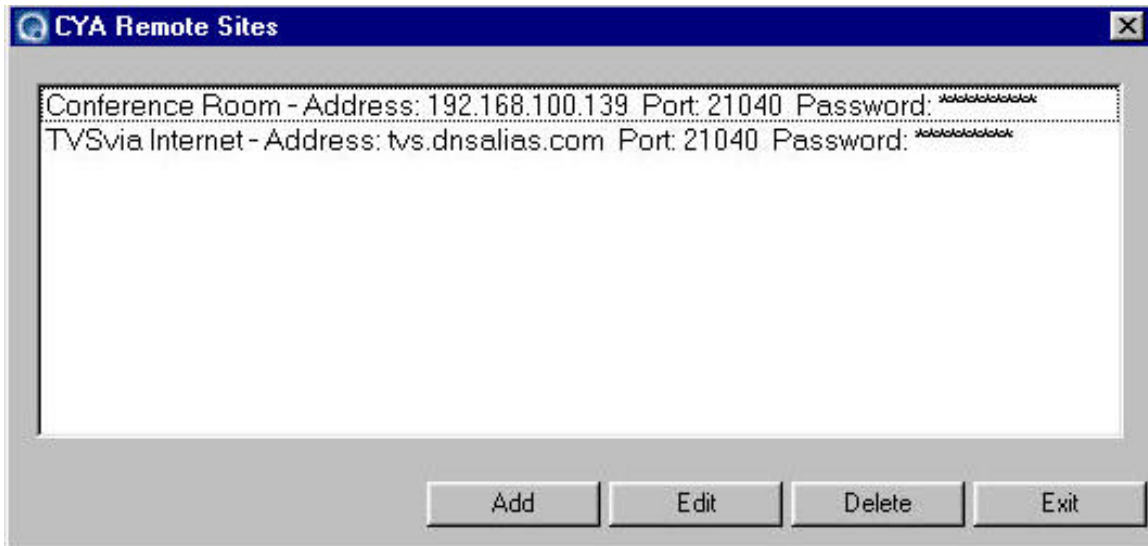


**Figure 63**



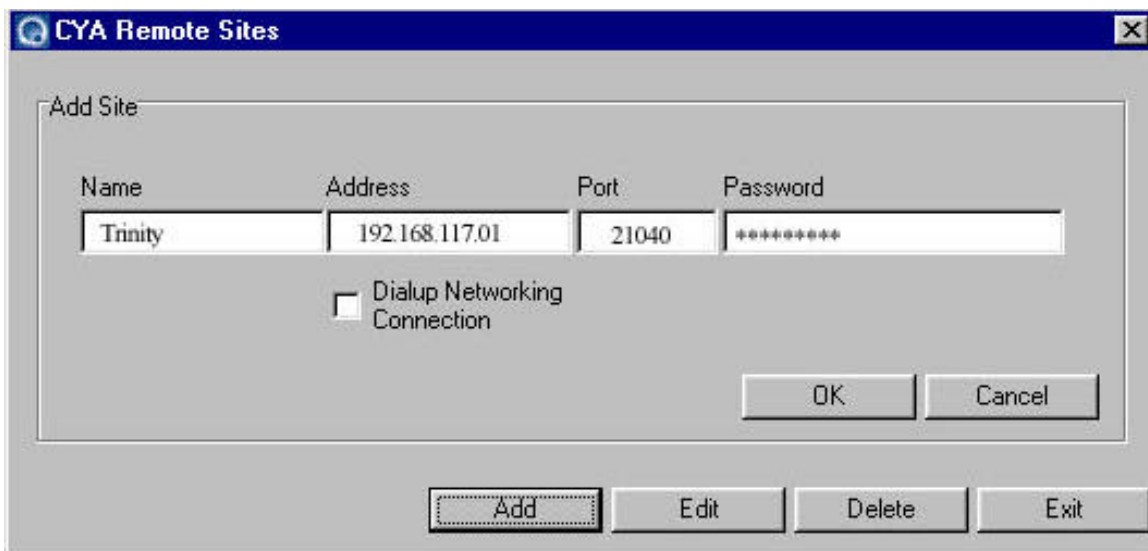
**Figure 64**

To set up a remote site to connect, select *Sites* from the *Options* menu.



**Figure 65**

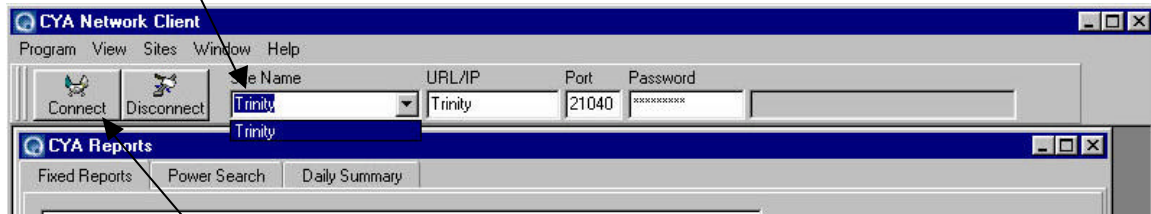
A site pop up appears. Click the *Add* button.



**Figure 66**

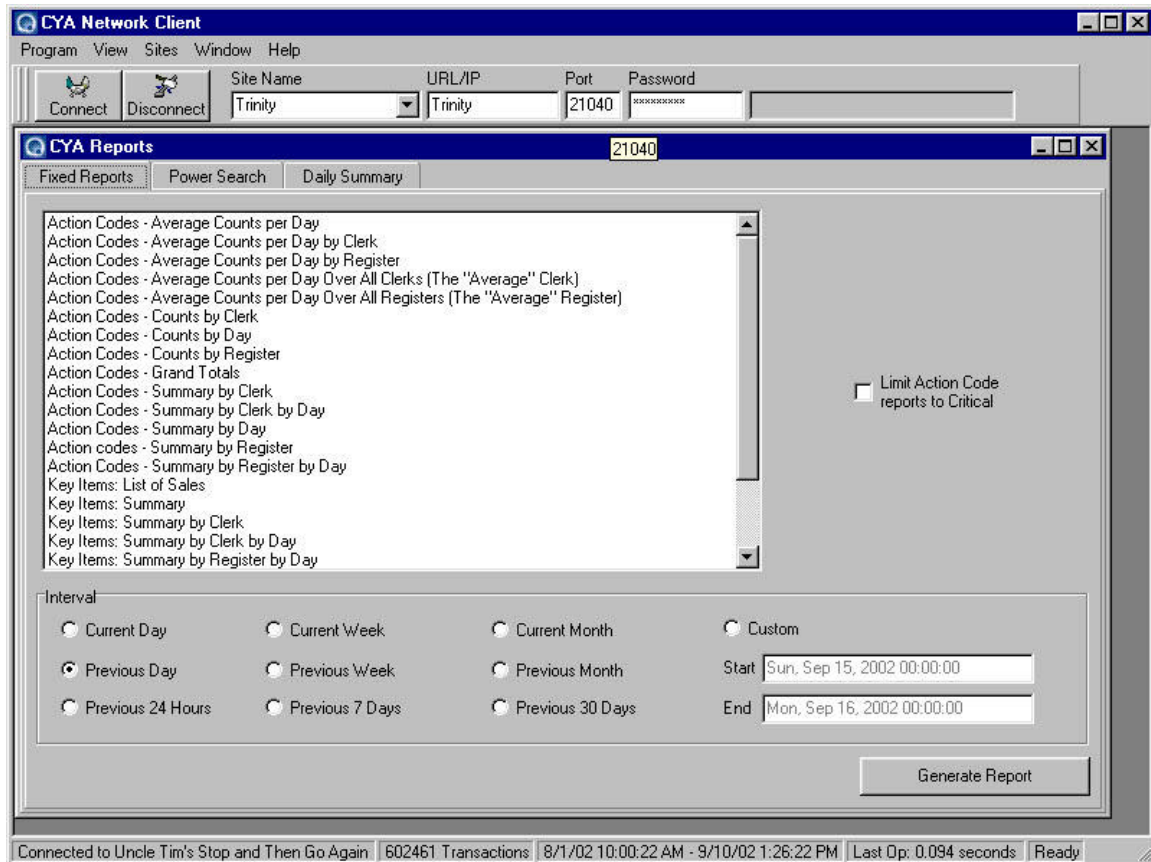
Next, enter the site *Name*, *IP Address*, *Port*, and *Password*. Make sure these settings match the server location you are connecting to. *\*For dialup networking, check the box instead of entering an address.*

Select the location to connect via the site drop down menu.



**Figure 67**  
Click the connect button.

The client connects to the location host. Reports are generated identically as shown on the local side.



**Figure 68**

## Client Options

Under the *Options* menu, the user can view the number of sites to connect to (*see previous page*), select the correct DVR protocol (*normally TVS Standard*), set the print preview on or off (*in some DVRs, CYA and the DVR share the foreground, and you may not be able to see the print preview, so by default this is switched off*), and view the error log remotely.



**Figure 69**