

**NEW!**

Includes clear on update for older TEC Models and  
Delete on update for Newer TEC and all CAT Models.



# **Selcom 2000**

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Version 4.2 Serial No. \_\_\_\_\_

**For the CAT Multi Door System and Includes Support  
for Two and Four Reader TEC Systems**

**CAT Multi Door and TEC Series  
Setup and Maintenance Software  
for use in Windows 9X/NT Operating System**

**Select Engineered Systems, Inc.  
7991 W. 26th Ave.  
Hialeah, FL 33016**

## Y2K Compliance Statement

Selcom 2000 is designed to be used prior to, during, and after the calendar year 2000 A.D., and Selcom 2000 will operate during each such time period without error relating to date data, specifically including any error relating to, or the product of, date data which represents or references different centuries or more than one century.

Selcom 2000 will not abnormally end or provide invalid or incorrect results as a result of date data, specifically including date data which represents or references different centuries or more than one century;

Selcom 2000 has been designed to ensure year 2000 compatibility, including, but not limited to, date data century recognition, calculations which accommodate same century and multi-century formulas and date values, and date data interface values that reflect the century;

This statement should not be taken to mean that Selcom 2000 corrects any errors generated by your computer, it's BIOS (Basic In Out System), or your operating system or any other program you have or use.

### Definitions

**Four Digit Year Format**

shall mean a format that allows entry or processing of a four digit year date: the first two digits will designate the century and the second two digits shall designate the year within the century. As an example, 1996 shall mean the 96th year of the 20th century.

**Leap Year**

shall mean the year during which an extra day is added in February (February 29th). Leap Year occurs in all years divisible by 400 or evenly divisible by 4 and not evenly divisible by 100. For example, 1996 is a Leap Year since it is divisible by 4 and not evenly divisible by 100. 2000 is a Leap Year since it is divisible by 400.

**Year 2000 Compliant**

shall mean that the data outside of the range 1990-1999 will be correctly processed by Selcom 2000 including application programs, files and databases.

Select Engineered Systems, Inc. Life Support Policy

Select Engineered Systems, Inc. products are not intended for use in life critical situations or as critical components in life support devices or systems.

Life Support devices or systems are defined as devices which are intended for surgical implant into the body, or for support or sustaining life, and whose failure to perform, when used in accordance with the instructions provided by the manufacturer, might result in injury to the user.

Select Engineered Systems, Inc. reserves the right to make improvements in the hardware, firmware, and software described in this manual at anytime and without notice.

## Notice To Windows 95 Users

Selcom 2000 may not operate correctly, unless Windows 95 ver. 4.00.950a ( Service Pack 1 ) or higher is installed !

Tip: If you don't know which version you're running, our manual (page 2) will walk you through finding out.

Included with the Selcom 95 CD and Floppies:  
Microsoft Windows 95 Service Pack 1

WARNING : If you are running any custom  
or non-compliant Windows 95 software  
you should check with your software  
provider to insure adding this update  
will not effect your programs !

Instructions for updating Windows 95 with service Pack 1

1. Do not install unless your Version is 4.00.950 (no suffix)
2. Quit any applications that are currently running.
3. If you use Mircrosoft Plus! System Agent, right click the System Agent icon on the toolbar, and then click suspend System Agent.
4. Create a temporary folder on your hard drive.
5. Click the link "Windows 95 Service Update."
6. Save the file in the new folder.
7. In that folder, double click Setup.exe, then follow the instructions.

When the Setup.exe program finishes, your version of Windows 95 will be version 4.00.950a.

## **Updating from Ver 1.04 or before to Selcom 2000**

Selcom 2000 adds support for the CAT Multi Door Systems, 4 Reader Module, 19,200 Serial Communications, 9600 Baud Modem Communications as well as adding new features for all TEC Units. To update from Ver 1.04 to Ver 4.0 requires a full installation.

### **Why must I Re-install?**

Ver 4.0 includes new units and features that must change the way the data is stored and can not use the old files. The existing sites can be reloaded into Ver 4.0 after installation.

### **Is there anything I should do before I install?**

Yes, you should update your sites with any changes made in the computer and not sent to the units. Any directory changes that need to be sent will have a "Y" in front of the names.

### **How do I Re-install? Is there a way to update and keep my old system, just in case?**

Yes. The new Selcom installs into a separate directory. The original program is not affected. It will not be removed unless you remove it.

1. Make sure your sites are updated.
2. Note your unit names and characteristics.
3. Go to **Start – Settings – Control Panel – Add Remove Programs.**
4. Select Add/Remove.
5. Insert the first disk or CD-ROM and select Install.
8. Install the new program per instructions.
9. Using the wizard, install your units in the new software.
10. Using "**Get from Unit**", then select "**Get All**", which will obtain your data from each unit.

### **How do I remove my old system, when I'm ready?**

1. Go to **Start – Settings – Control Panel – Add Remove Programs.**
2. Locate **Selcom 95** in the list of programs (use the elevator bar if necessary) and **Highlight** it by pointing to it with your mouse and clicking once with the left button. **Do not select Selcom 2000 as this is your new program.**
3. Select **Remove.**
4. In the application removal screen confirm that you want to remove the program.
5. After completion the program may report that it failed to remove all directories. This is normal as the installer cannot remove your backups..

### **How do I place an icon on my desktop for Selcom 2000?**

One way is to:

1. Open Windows Explorer in the partial window mode(Set it so that Explorer does not fill the screen completely).
2. Locate Selcom 2000. The standard location is C:\Program Files\Selcom 2000. If you installed the program in another location, use that instead.
3. Place the mouse pointer on the program(Selcom\_41.exe)
4. Press and hold down the right mouse button.
5. Continuing to hold the button down, move the mouse pointer out onto the Desktop and release the button.
6. Select Make Shortcut here.
7. The icon is on the desktop. You may move it to any desired location.

## **Updating from Ver 1.10 and above to Selcom 2000**

Selcom 2000 is for our new CAT Multi-Door model, improves Serial Communications for all models, all modem communications as well as adding new features for all CAT & TEC Units.

### **Why must I Update?**

To communicate with a CAT system you must use Selcom 2000. Selcom 2000 includes new features that improves your ability to use the system. New features and corrections shorten communication time and reduce communication errors.

### **Is there anything I should do before I install?**

No. All Data files are transferred into the new version. However, you should update your sites with any changes made in the computer and not sent to the units. Any directory changes that need to be sent will have a "Y" in front of the names.

### **How do I Update?**

1. Make sure your sites are updated.
2. Note your unit names and characteristics.
3. Go to **Start – Settings – Control Panel – Add Remove Programs.**
4. Select Add/Remove.
5. Insert the first disk or CD-ROM and select Install.
8. Install the new program per instructions.
9. Using the File - Convert Menu, transfer your data (see Convert in the manual Page 21).

### **How do I place an icon on my desktop for Selcom 2000?**

One way is to:

1. Open Windows Explorer in the partial window mode(Explorer does not have to fill the screen completely).
2. Locate Selcom 2000. The standard location is C:\Program Files\Selcom 2000 If you installed the program in another location, use that instead.
3. Place the mouse pointer on the program (Selcom\_41.exe)
4. Press and hold down the **right** mouse button.
5. Continuing to hold the button down, move the mouse pointer out onto the Desktop and release the button.
6. Select Make Shortcut here.
7. The icon is on the desktop. You may move it to any desired location.

### **Is there a way to update and keep my old system, just in case?**

Yes. Selcom 2000 installs into a separate directory. The original program is not affected. It will not be removed unless you remove it. Selcom 2000 has a Data Converter to install the data from your old Ver 1.10 and above software into the new System. Do not remove the old system before you convert the data or it will be lost.

### **How do I remove my old system, when I'm ready ?**

1. Go to **Start – Settings – Control Panel – Add Remove Programs.**
2. Locate **Selcom 95 4Rdr** in the list of programs (use the elevator bar if necessary) and **Highlight** it by pointing to it with your mouse and clicking once with the left button. **Do not select Selcom 2000 as this is your new program.**
3. Select **Remove.**
4. In the application removal screen confirm that you want to remove the program.
5. After completion the program may report that it failed to remove all directories. This is normal as the installer cannot remove your backups.

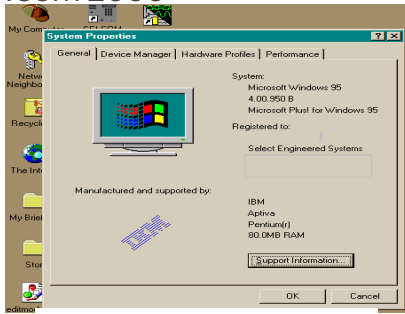
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## Selcom 2000

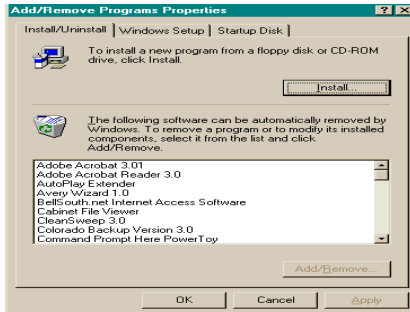
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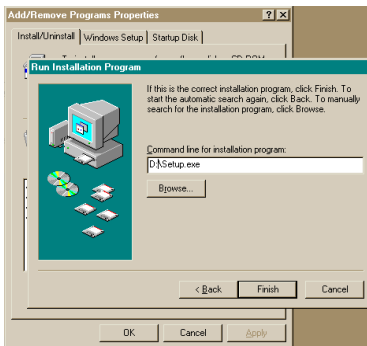
# Selcom 2000



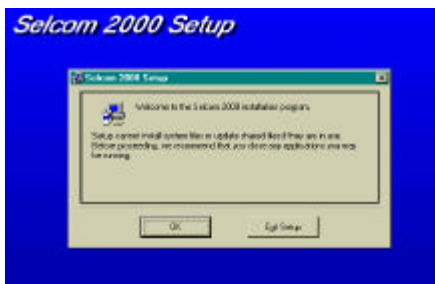
System Properties



Add-Remove Programs



Select Program



First Screen

## Selcom 2000 System Requirements

### Operating System:

Windows 95\98 Ver. 4.00.95a or higher  
Windows NT Ver 4.0 (Service Pak 3) or higher

### Hardware:

#### Computer Processor

**Pentium Recommended**

#### System RAM or Total Memory

**64 Mb. Recommended**  
32000KB (32 Mb.) minimum

#### Available Physical Memory

**20 Mb. Recommended**  
16384 KB or 16 Mb. minimum

### Note:

**16Mb. is available in 32Mb. total memory ONLY when NO OTHER Programs are running**

#### Available Space or Hard Disk Storage Required

20000 KB or 20 Mb.  
plus 2 - 15 Mb. per site

#### Installation Drive

CD-ROM or 3½" Floppy for installation of Software

Note: 80486 is not recommended because of low performance, but may be used in limited applications

### System Requirements to install this Software

This program requires 5.0 megabytes of hard disk and includes 12 megabytes of system files that may need to be installed. You therefore need a minimum 20 megabytes of space to install this program for one site. More sites require 2 to 20Mb. per site, depending on site size and the amount of backups used. **During operation, Selcom 2000 will require up to 16mb. of free ram to operate efficiently depending on the size and model of the unit . Note: 16Mb. is available in 32Mb. total memory ONLY when NO OTHER Programs are running. With less memory the program may operate, but with poor performance.** This program will only operate correctly in Windows 95™ with Service Pack 1 installed or higher or in Windows NT™ or Windows 98™. If you are unsure, select the "My Computer icon on your desktop and **RIGHT** click it. Once the panel is opened, select Properties and **LEFT** Click it. A "Systems Properties" screen

will open and under System:, it must say

**Microsoft Windows 95**

**4.00.950a ( includes service pak 1) or**

**4.00.950B (does not need service pak 1) or higher  
Windows 98**

**Windows NT Ver 4.0 (Service Pak 3) or higher**

If it does not, contact Microsoft or your local computer dealer for Service Pak 1 and install this update in your computer prior to continuing. For your convenience, Service Pak 1 for Windows 95 has been included on the CD ROM version of this program and as a separate disk. Service pak 1 is to be installed in Version 4.00.950 only. It is already in place in 4.00.950a. The 4.00.950B version does not require and may be damaged by installing this update. Installation instructions for this Service Pak are included on the disk or in the Service Pak directory of the CDRom. Windows NT™ requires **separate** service paks.

**Selcom 2000 Installation Instructions**

Setup will warn you to Shutdown any running programs.

You **MUST** shutdown “Microsoft Office” as it will disrupt the installation.

If you are running the “Office Toolbar”, you **MUST** close the **Office Toolbar** and all it’s applications and you should close any other applications running to insure a proper installation.

Once you have checked that you have the proper Revision, place the CD ROM disk into your disc reader or place the Disk 1 of Selcom 2000 into your computers 3 ½” drive. Go to Start then select “Settings”, then “Control Panel”, then “Add-Remove Programs”.

Select “Install” **If your main files are out of date, setup will prompt you to restart your computer. After doing so, start setup again.**

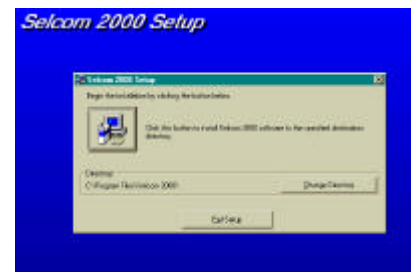
Add -Remove will locate the disk and confirm it’s name (Selcom 2000 ) and location.

Selcom 2000 setup has a standard location for it’s files, but will give you the chance to choose another location and name of the directory, then will install the program.

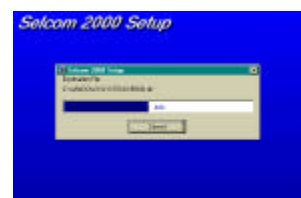
Selcom 2000 uses a “Completion Gauge” to indicate the percentage of the installation completed.

If files in your computer are damaged, setup will inform you of the fact, and abort the installation.

At the end of the installation, Setup will indicate a complete and proper Installation.



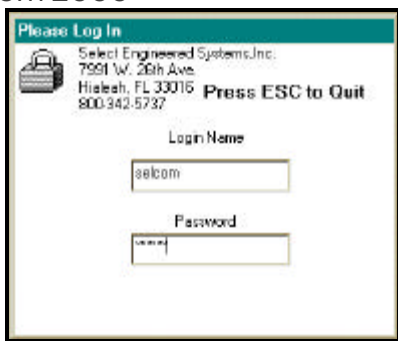
Choose Directory



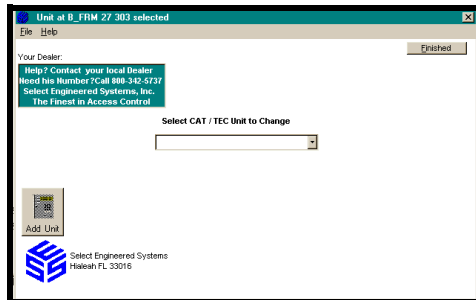
Installing.....



Complete.....

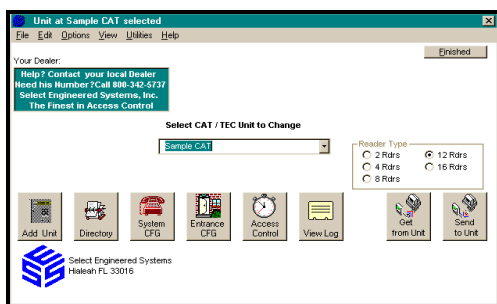


Main Screen at Login

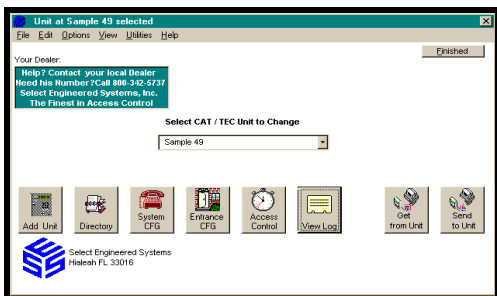


Main Screen at Startup

Showing Pull-Down menu available without any Site Selection made



Main Screen w / CAT Multi Door with Expansion Module Selected



Main Screen w/standard Unit Selected

Showing Command Buttons and Menu's available after Site Selection is made.

## Startup and Operation

Selcom 2000 with CAT Multi Door and 2/4 Reader support includes the ability to communicate with any CAT Multi Door or TEC Units capable of having a modem installed. The screens automatically configure to include the features present in that unit. Older Units can be upgraded to use this software. Contact the factory for specifics for your unit.

### Startup

Selcom 2000 places a menu selection in your Startup Directory. Select it and the Log-in will appear. Selcom 2000 is shipped from the factory with the Name "selcom" and the Password "selcom" (**Note lower case**) installed in the password database. Type this name and password in exactly and the main menu will appear.

### Help

Help is provided for each item. To use, place the mouse pointer over the item you need assistance with and a description or instructions will appear on the screen automatically. This feature is provided on all screens.

### Main Menu

The Main Screen appears blank with only several selections possible.

- ⇒ Select CAT / TEC Unit to Edit / Change [**Window**]
- ⇒ The Following **Menus**
- ⇒ **File**
- ⇒ Edit CAT / TEC Unit Data
- ⇒ Add CAT / TEC Unit (Wizard)
- ⇒ Convert
- ⇒ Exit
- ⇒ **Help**
- ⇒ About Selcom 2000
- ⇒ Show Splash
- ⇒ Add Unit[**Button**] (Wizard) (if allowed by password level )

Selcom 2000 is shipped with a set of example Units for each generation of Telephone Access Units available to allow you to view and learn this program. You may wish to start with selecting one of these Units and using it to explore the features of Selcom 2000. These instructions are written using "Sample 49" and others as its example. If you wish to start by setting up your unit, go to the section of these instructions for the "Add CAT / TEC Unit (Wizard)". Or continue by selecting "Sample 49" in the center selecting window. As

you add your Unit(s) this selector will expand to show all units installed in the software in alphabetical order for your convenience. There is no limit to the number of CAT or TEC units allowed, except the physical capacity of your computer. Each unit installed uses about two to fifteen megabytes of storage space depending on the size of the unit and the number of backups used. After the selection is made, “Command Buttons” will appear and the menu system will expand to include the features ALLOWED by the authority level set to each Name/Password. Name/Password “selcom” is provided with FULL authority. You may delete this Name/Password AFTER assigning a new name with FULL authority.

**Login Passwords**

Select the **Login Passwords** in the “Edit “ Menu. The “Password File” Screen will appear showing all the Login Names/Passwords in the system with their authority levels. To add select “Add New User” command button or to Edit a User, Select that name and “double click” it with your mouse button. This will make the screen change to allow editing or deleting of the record. If you erase all names / passwords with the authority level of “1”, the system adds back “selcom” / “selcom” with the authority level of “1”as the only password to prevent you from locking yourself out of the system.

**Authority Levels**

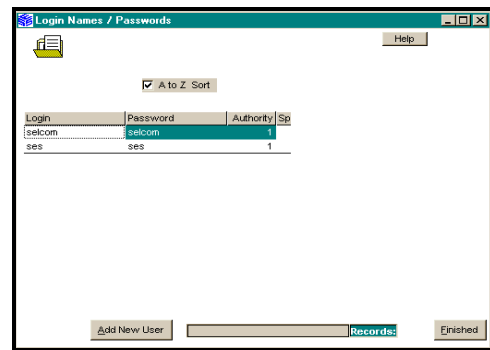
Selcom 2000 has several levels of authority. This authority system allows the owner to decide what privileges each user will use to operate the system. The levels of privileges are as shown in the adjacent Table.

**Selcom 2000 Organization**

Selcom 2000 is organized into logical groups. These groups are distributed as follows:

- ⇒ Login Control & Maintenance
- ⇒ Unit Directory Control
- ⇒ Unit System Configuration
- ⇒ Unit Entrance Control
- ⇒ Unit Access Control
- ⇒ Unit Log Retrieval
- ⇒ Log View / Sort / Select
- ⇒ Unit Configuration

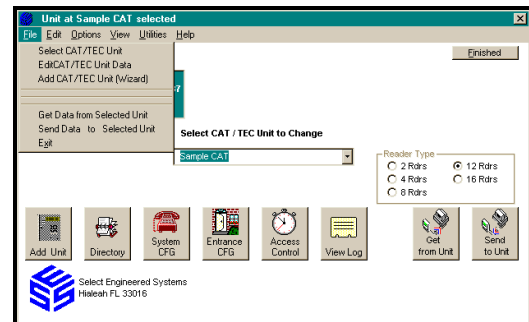
All operations are accessible from the Main Menu Screen. The most used functions are available using the Command Buttons. All operations are available with the Menu System.



View Login Passwords

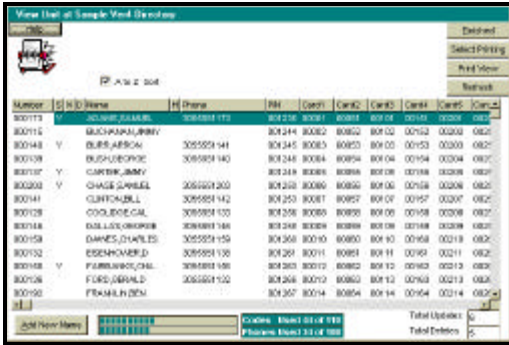
Showing Password List in Name Order.

Authority Level Settings	Level 1	Level 2	Level 3	Level 4
Rename Files	X			
Use the Add Unit Wizard	X	X		
Edit / Change Passwords	X			
Edit the Unit Data	X			
Use the Entrance Configuration	X	X	X	
Change Data File Name in Unit Data	X			
Use the System Configuration	X	X	X	
Use the Access Control	X	X	X	
Use the Add/ Edit Directory	X	X	X	X
Get All Data	X	X	X	X
Get System Configurations	X	X	X	X
Get Directory	X	X	X	X
Get the Log information	X	X	X	X
View and print log Data	X	X		
Use Log Utility	X			
Terminal Mode	X			
Convert Utility	X			
Put all Data	X	X	X	
Put System Configuration	X	X	X	



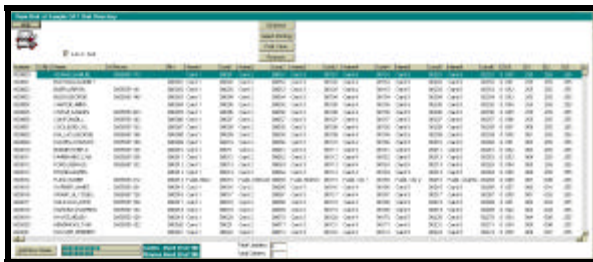
Showing Menu’s available after a Site Selection is made with Level 1.

**Unit Directory Control**



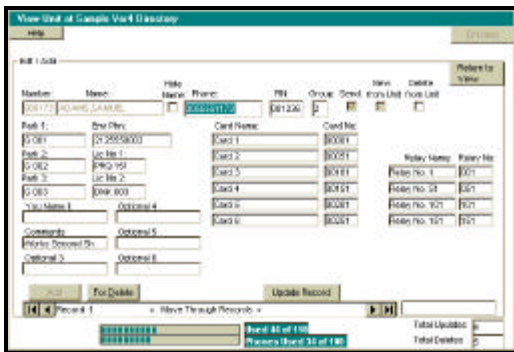
Unit Directory Spreadsheet View

Selcom 2000 incorporates a new style Directory view and editing system. Note that the Unit Site name is featured at the top of the screen. This feature is present on each screen to assist the user. The Directory display is in a Columns and Rows format showing ALL codes in the directory. The opening display is sorted in alphabetical order. Additional help is provided by selecting the “Help” Command button. The Elevator bars appear when needed and allow the user to move through the list of names and to view the additional data for each name. The user may use the mouse arrow to single click on any code number or name to highlight that row. This provides a marker on the record chosen to use as the display is moved to the right in order to display the additional data. **Note: The display will change according to the options chosen. See Pg. 20**



Showing Directory Display in Enlarged View

The user may use the mouse pointer to single click on the TOP of any column to SORT the display by that column. If a reverse (Z to A or 9 to 0) order is desired, a check box is provided above the listing. The user should select the direction of sort desired, then select the column to sort by. The user may use the mouse pointer to single click the sort option and it will toggle from normal to reverse and back to normal. Gauges are provided near the bottom of the screen to inform the user of the number of Unit Codes and the number of Phone Numbers in the Directory. This may be used to determine the percentage of the Unit capacity used. In Displays larger than 640 x 480, the user may enlarge the view by dragging the edges of the directory. The number of updates to be sent and the number of deletes(if applicable) are also shown.



Unit Directory Edit / Add mode

Directory Limits	
Code Number	1 to 6 Digits
Name	up to 14 Characters
Phone	up to 14 Digits
PIN	1 to 6 Digits
Card No.	5 Digits 1 to 65,534
Group (CAT)	1 to 15 , 0 = unlimited

Directory Limits

- ◆ **NUMBER:** This is the **Code Number** used by the Unit User to dial the Name shown in the Directory. It can be configured to show 1 to 6 digits. Internally it is always stored and used as 6 digits. If set to display three digits, then the number is dialed using the three displayed digits.(123456 is displayed as 456). This allows it to appear to allow more than one name to use the same code. Example: Codes 000234, 001234, 011234 and 101234, all would display 234 showing different names with the 234 code number. The 000234 phone number would be dialed. Directory Code Length is set using the “System CFG” command button or “System Configuration” under the “Edit “ Menu Selection.
- ◆ **S: (SEND)** The ‘Send’ field indicates if this name would be updated on a ‘Send Updates’ command. Only

the names marked would be sent. When a name is selected to edit, the send box is automatically checked.

- ◆ **N: (NEW REC)** The “New Record” field shows a “Y” when a Code was received from the unit that did not exist in the database. This will occur when a code is input directly into the unit.

**New**

- ◆ **D: (DELETE)** The “Delete” field is marked “Y” when this record will be deleted on the next update. **Note: In TEC Units with 3.0x and 3.1x firmware, the everything but code number is erased in update mode. You may reuse the code number at any time, however. See Send Updates on page 25**

- ◆ **NAME:** This is the **Name** shown on the directory display of the CAT / TEC Unit. The user may use up to 14 characters for each name. **Note: After the initial entry, if you change the name, the Phone Number, PIN, Card(s) and Group are cleared.**
- ◆ **H: (HIDE)** Hide inserts a colon in front of the phone number. **Only** Version 3.1x and above firmware will not display names that have a colon as the first digit of a phone number.
- ◆ **PHONE:** This is the phone number the CAT / TEC Unit will use to dial the Name shown. The User may use up to 14 digits including commas ‘,’ for pauses if required, to dial the Name. The real telephone number will not show on the unit display
- ◆ **G: (GROUP)** If access control is installed and access cards or PIN codes are used, this field is used to assign the Named to an access group. Groups are numbered 0 through 7, with Group 0 allowing unlimited access. For more information on access control, see page14 of this manual.
- ◆ **E0 to E3:** CAT Multi Door only. Displays the optional “Relay Output Codes” (1 to 255, 0 = off) . If the “Relay Enable” checkbox is not checked in the **System Configuration** screen, E0 to E3 will not be displayed in the directory and the relays will not operate, but the data will not be erased. Re-selecting the “Relay Enable” checkbox would cause the data to re-appear.
- ◆ **PIN:** The “Personal Identification Code” can be configured to use 1 to 6 digits. The “PIN” is used by the Named to open the designated entrance. If set to use four digits, then the number is limited to using the four digits.(001234 is entered and used as 1234). A 5 digit PIN (11234) could not be entered and would not operate. **Note: To re-enter a PIN, You must update the record first.**
- ◆ **CARD NO.:** If access cards or devices are used, the individual card or device number assigned to this name is placed here. Card / Device numbers are limited to the numbers

#### Optional Field Capacities

<b>PARK 1</b>	<b>9 Characters</b>
<b>PARK 2</b>	<b>9 Characters</b>
<b>PARK 3</b>	<b>9 Characters</b>
<b>EMR PHONE</b>	<b>14 Characters</b>
<b>LIC NO 1</b>	<b>10 Characters</b>
<b>LIC NO 2</b>	<b>10 Characters</b>
<b>Optional Fields with</b>	<b>User defined names</b>
<b>Optional 1 to 6</b>	<b>15 Characters</b>

#### Optional Fields Directory Limits

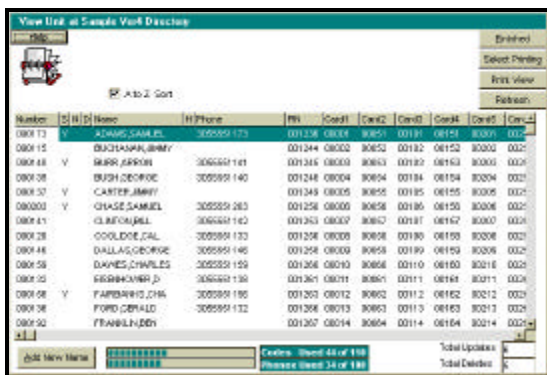
00001 through 65,534 inclusive. **CAT** units are allowed up to six Cards or Devices per code. Each Card or Device may be labeled or named in the Directory. This information is not stored in the Unit. The display automatically expands to display all the cards in CAT Version Units. **Note: To re-enter a Card, You must update the record first.**

#### Optional fields:

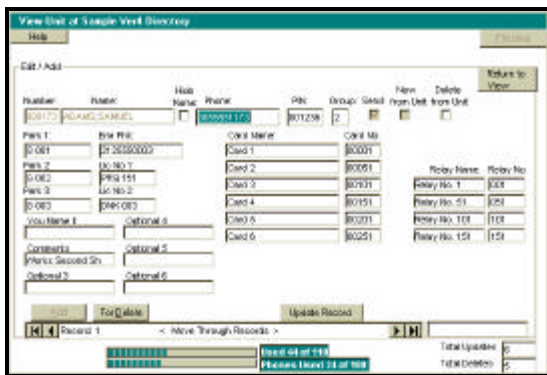
- ◆ **PARK 1, PARK 2**
- ◆ **PARK 3**
- ◆ **EMR PHONE**
- ◆ **LIC NO 1, LIC NO 2**
- ◆ **Optional 1 to 6 (Can be named by the user)**

None of the optional fields are sent to the unit. They are for the User’s optional use. The text limits are shown in the adjacent Table. **Note: If the “Don’t use Fields” option button is checked in the “Edit CAT / TEC Unit Data - Options” screen, for the “Park” or to “Spare”, the fields selected do not show in the directory, but the data is not erased. The names of the individual cards are also hidden, in order to show a concise view. Checking “Use Spare Fields” and “Use Park Fields” shows all. See Pg. 20**

**Step by step Instructions to enter new items**



CAT Multi Door Directory in spreadsheet view



CAT Multi Door Directory in edit record view

Selcom 2000 provides a simple screen to enter new data into the directory. **(See Pages 31 to 36 for handy work sheets to assist the user in entering the directory.)**

- 1 On the Main Screen, Select or "Click" the **PROPER UNIT** to enter the new items.
- 2 On the Main Screen, Select or "Click" the **Directory** command button. The directory view screen will appear.
- 3 On the Directory screen, Select or "Click" the **Add New Name** command button. The screen will change to the **Edit / Add** view. All of the entries will be blank.
- 4 **Start** the entry by entering the **Code Number**. If you are using three digit code numbers (for example), you only need to enter the three digits and press the [Tab] key or press [Enter].
- 5 **If the code has been already used**, the screen automatically displays the record and changes to edit mode. You may change any and all items in this record, **except** the code number and the name. When you send updates, this record would be changed, **except** the code number.
- 6 **If the code has not been used**, the screen automatically steps or moves to the name field for entry. **Enter the name before you exit this window** as once entered, the name may not be changed! You may use the [Tab] or [Enter] key to move through the windows and enter the information you require. Only the code number is required in any record. All other fields are optional. When you send updates, this record will be added.
- 7 **When all necessary fields** are filled, Select or "Click" the **Update Record** (save it) command button. The record is saved.
- 8 Select or "Click" the **Add** command button to continue entering more data.
- 9 The information bars update to indicate the amounts of **Unit** memory used.
- 10 **To enter more items Go to step 4.**

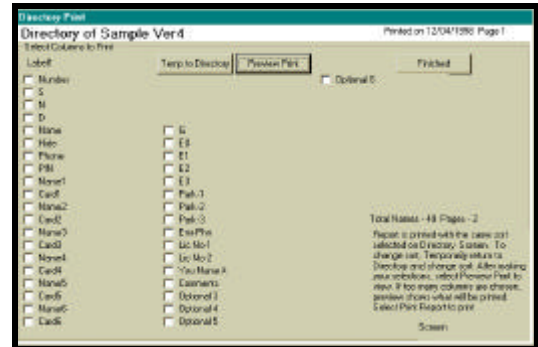
Directory Limits	
Code Number	1 to 6 Digits
Name	up to 14 Char's
Phone	up to 14 Digits
PIN	1 to 6 Digits
Card No.	5 Digits 1 to 65,534
Group	1 to 15 , 0 = unlimited

Directory Limits

## Printing the Directory

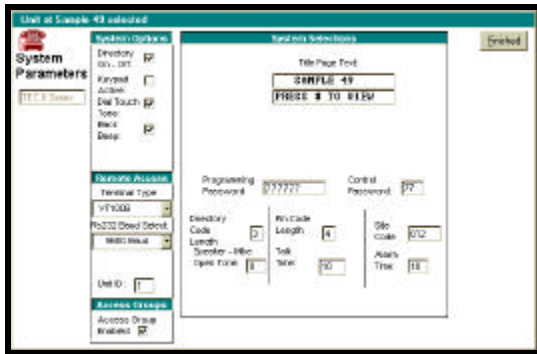
The “Print View” Button will print the information showing on the screen using your default printer. When printing a small amount of information, the “Print View” Button may be used. Sorting by the chosen method (Sorting by Cards as an example) then using the elevators to display the desired numbers and Press “Print View” Button. On screens larger than 640 x 480, the panel may be expanded to show more information. This will print, to the limit of the printer. The information displayed will be printed on your default printer. In order to print to another printer, you must change your default printer to the one desired before using Selcom 2000.

Choosing the ‘Select Print’ button allows the user to select the individual columns of the directory to be included in the printing. If too many columns are chosen the remainder will not be printed. **Note: The column selection screen indicates the number of items to be printed and the number of pages that will be used.** The sorting chosen for the display screen is also used for the printing. The “Temp to Directory” button allows you to return to the directory and change your sort and then return without losing your selections. You may return as many times as necessary to formulate your report. The individual column widths are adjustable by the user. While in the ‘Preview Print ‘ screen move your mouse pointer to the right edge of a column and when it changes shape, press the left mouse button and change width to the desired position. When satisfied with the look of your report, press ‘Print’ and Selcom 2000 will use your default printer to print the report. Note: Select Print prints the directory twenty five lines to the page.



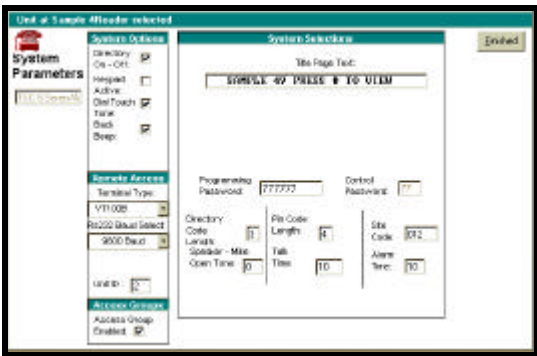
Unit Directory in Print Select Mode

Unit Directory in Print Preview Mode



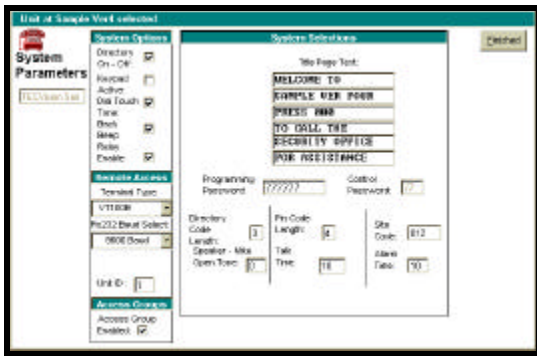
Unit System Configuration Standard

Showing Factory Defaults for the System Data



Unit System Configuration TEC VIII

Showing the sample TEC VIII & Avante text



Unit System Configuration TEC Vision

Showing the sample vision text

Title Page Message Table	
CAT / TEC II	2 lines of 16 characters
CAT / TEC IV	2 lines of 16 characters
CAT / TEC VIII BLACKCAT / AVANTEC	1 line of 32 characters
TEC-VISION CATVISION	6 lines of 16 characters

### Unit System Parameters

Selcom 2000 places all System Configuration Parameters on one screen. Complete descriptions of each item is available by placing the mouse pointer over each item. The standard factory defaults are provided as a reference. The defaults will be satisfactory in most applications. You may change them to provide for new password or directory description for example.

- ◆ **Directory On - Off** - Turns the display of the Directory On or Off. This does not prevent calling the numbers.
- ◆ **Keypad active** - Allows the keypad to be used after calling allowing for voice mail, etc. Only the numbers 0 to 9 are active, The \* and # are not active.
- ◆ **Dial Touch Tone** - Changes CAT / TEC Unit dialing from touch tone to rotary or pulse dialing.
- ◆ **Back Beep** - Sends a 'Beep' tone every ten seconds to the called party. This allows confirmation that the call originates from the CAT / TEC Unit.
- ◆ **Relay Enable** - CAT Version Units only - Allows the auxiliary relays to operate. When this is not checked, the relay control numbers will not show in the directory. The data is not erased.
- ◆ **Terminal Type** - The CAT / TEC Unit normally sends data to VT 100 terminal types, however it can be change to output plain ASCII if desired.
- ◆ **RS232 Baud Select** - The serial port baud rate can be configured from 300 to 9600 (19,200 for Ver 3.1X and Ver 4.X) baud. If connected to a printer, the baud rate should match the setting on the printer. Range is 300 - 19,200 Default is 9600.
- ◆ **Unit ID (Answer Ring Count)** - This is the number of rings received before the CAT / TEC Unit answers. Range is 0 - 9. 0 means the CAT / TEC Unit will not answer. 3 is the default. The software uses this ID as a confirmation that it has connected to the proper unit, If the software ID and the Unit ID are not the same, the software will indicate an error and will not get or send data.
- ◆ **Access Groups Enabled - On - Off** If you set this to

Off, All cards and PIN's are ENABLED at ALL times.

- ◆ **Title Page Text** - See Title Page Table

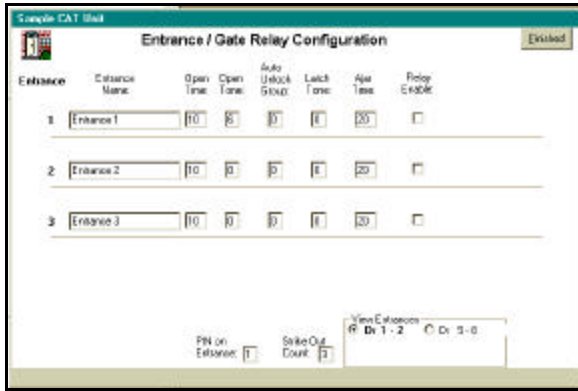
### PRESS # TO VIEW

**DIRECTORY** is the factory default.

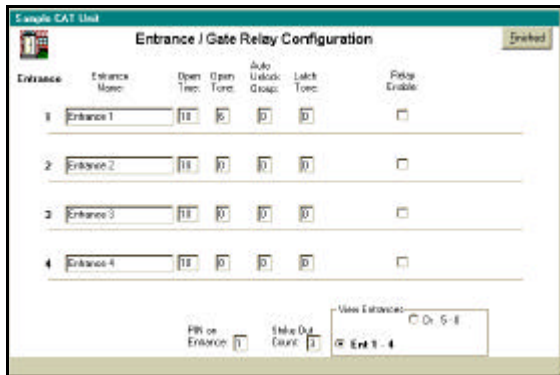
- ◆ **Programming Password** - This is the password used to access and program the CAT / TEC Unit. Any combination of up to six numbers and letters are allowed. 777777 is the default. **Caution:** Passwords with letters cannot be accessed from the keypad or remote touch-tone control.
- ◆ **Control Password** - The control password is used to dial the CAT / TEC Unit from a touch-tone phone and open or latch an entrance. Range is 00 to 99. The default is 00 in 3.0X Firmware. The 1st two digits of the control password is the control password in the CAT Multi Door and Ver. 3.1x or higher firmware. **See caution above.**
- ◆ **Directory Code Length** - Sets the displayed code length from 1 to 6 characters. Set this parameter to the number of digits you wish to be displayed and entered to dial.
- ◆ **PIN Code Length** - This sets the number of characters used when you use 'Personal Identification Codes' to allow entry. 0 (Off) or 1 to 6 numbers. 4 is the default. **Note: If PIN code length is set to less than the PIN codes, they may not operate.**
- ◆ **Site Code** - Site codes are used with cards. Set to 000 when not using cards to disable cards or to the number provided by SES when using cards. The range is 000 to 254.
- ◆ **Speaker - Mike Open tone** - This tone allows you to turn the CAT / TEC Unit microphone on from a touch tone phone and listen to the activity. Range is 0 to 9. Default is 0 (Off).
- ◆ **Talk Time** - Talk time controls the amount of time the CAT / TEC Unit stays connected to the called number before automatically hanging up. Range is 1 to 99 Min. Default is 1 min. The CAT / TEC Unit beeps @ 10 seconds remaining as a warning.
- ◆ **Alarm Time** - Alarm time controls the amount of time the alarm relay remains active for an alarm condition. Range is 1 to 99 sec. (0) reconfigures the option board to become a third entrance control unless the 4 reader option board is

System Configuration Table		
Item	Range	Default
Directory On-Off	On - Off	On
Keypad Active	On - Off	Off
Dial touch-tone	On - Off	On
Back Beep	On - Off	Off
Relay Enabled	On - Off	Off
Terminal Type VT100 On Off	On - Off	On - VT100
RS232 Baud Select	300 - 9600	1200
Answer Ring Count	0 (Off) - 9	3
Access Groups Enabled	On - Off	
Title Page Text	See Title Page Table	PRESS # TO VIEW DIRECTORY
Programming Password	000000 to 999999 Letters are allowed	777777
Control Password	00 to 99	00 or 1st two digits of password
Directory Code Length	1 to 6	3
PIN Code Length	0 (Off) to 6	4
Site Code	000 to 254	000 = Off
Speaker - Mike Open tone	0 to 9	0
Talk Time	1 to 99 Minutes	1
Alarm Time	0 to 99 seconds	00

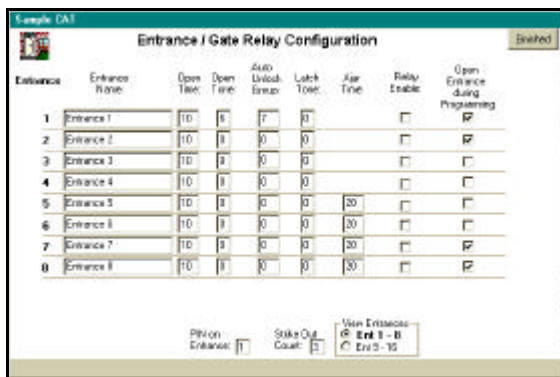
installed. **Note: The CAT units allow the optional third relay to become Entrance 1 & 2 shunt, and the inputs to become Entrance 1 & 2 sense, when the alarm time is set to zero.**



Showing CAT 2 Reader with settings optional third Entrance



Showing CAT Four reader with available settings



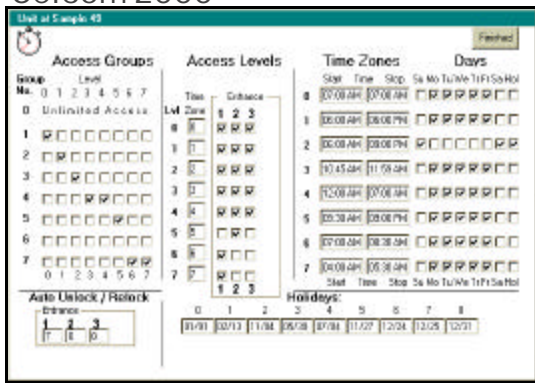
Showing CAT Sixteen reader with available settings

Selcom 2000 places all entrance configuration data on one screen. Selector buttons allow selecting the additional entrances when installed. Complete descriptions of each item is available by placing the mouse pointer over each item. The standard factory defaults are provided as a reference. The defaults will be satisfactory in most applications. You may change them to provide for a slow opening gate or entrance. A Telephone code is installed to open the first entrance. You may need to change this and the Open and Latch tone for each of first four entrances. When install, the additional entrances may be programmed by selection the Dr 9 - X radio button in the View Entrances area of the display. You may use the radio buttons to view all the entrances as required. Selcom 2000 will display the amount of entrances installed. See Page 20 for Expansion Reader Settings.

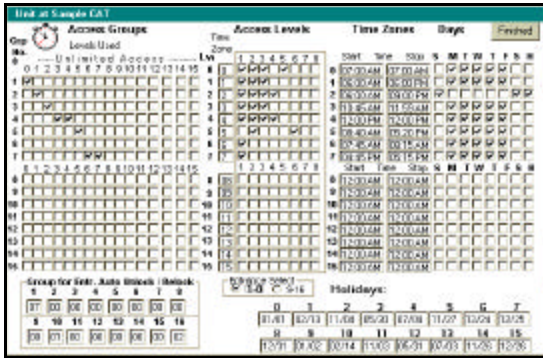
- ◆ **Entrance 1-16 Name** - Sets the name you will use to describe this door.
- ◆ **Ent. 1-16 Open Tone.** - Sets the touch-tone used to open Ent. 1 from the called phone. Range is 0 to 9. Zero is off. Default is 6. Valid for the first four entrances only.
- ◆ **Ent. 1-16 Auto Unlock Group** - Sets the Access Group used to automatically unlock and re-lock these entrances.
- ◆ **Ent. 1-16 Latch Tone** - Sets the touch-tone used to 'Latch' Ent. 1 Open. Range is 0 to 9. Zero is off. Default is 0. Valid for the first four entrances only.
- ◆ **Ent. 1-16 Ajar Time** - Controls the time the alarm shunt relay remains energized after the entrance 1 relay de-energizes. Range is 0 to 99 sec's. Default is 20 seconds. **Not applicable in the first four entrances with 4 Reader Option installed in main unit. Note: Setting Alarm Time to 0 (Disabling Alarms) will allow you to use an optional ajar time relay with the first two Entrances with a four reader option.**

- ◆ **Ent. 1-16 Relay Enable** - CAT Version only - Enable optional relay outputs with these Entrances. You may select any and all of the entrances to activate the optional relays.
- ◆ **Ent. 1 - 16 Open Entrance during programming** - CAT Version only. - OPENS entrances while unit is in programming mode. ( While using Selcom 2000 or a terminal program or using keypad programming.)
- ◆ **Strike Out Count** - Sets the number of invalid PIN entries before the system locks out.
- ◆ **Ent. 1-4 Pin on Entrance** - Sets the Entrance to be opened using the PIN numbers. Valid for the first four entrances only.

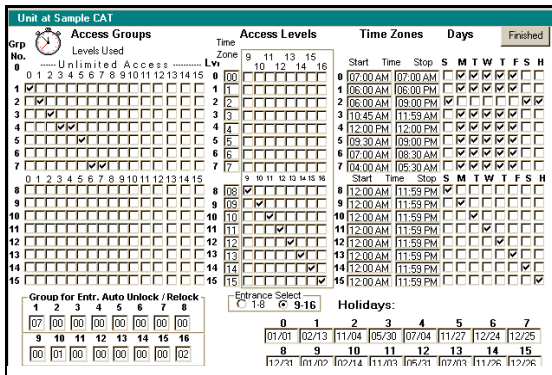
Entrance Configuration Table		
Item	Range	Default
<b>Entrance 1-16 Name</b>	<b>21 Characters</b>	<b>Entrance X</b>
<b>Ent.1-16 Open Time</b>	1 to 99 sec's	<b>10 sec's</b>
<b>Ent. 1-16 Open Tone</b>	0 to 9, 0 is off	<b>6 on Ent 1</b>
<b>Ent.1-16 Latch Tone</b>	0 to 9, 0 is off	<b>0</b>
<b>Auto Unlock Group</b>	0 to 7, 0 is off	<b>0</b>
<b>Ent. 1-16 Ajar Time</b>	0 to 99 sec's N/A	<b>20 sec's</b>
<b>Ent.1-16 Relay Enable</b>	On - Off	<b>Off</b>
<b>Ent 1-16 Open during Programming</b>	On - Off	<b>Off</b>
<b>Strike out Count</b>	0 to 9, 0 is off	<b>3</b>
<b>PIN on Entrance</b>	1 to 4	<b>1</b>



Two Reader Access Screen



CAT Multi Door Access Screen w/ Ent 1-8



CAT Multi Door Access Screen w/ Ent 9-16

Sample 49 Time Zone Configuration as Shown			
Zone	Start Time	Stop Time	Days Allowed
0	7:00 AM	6:00 PM	Monday to Friday
1	6:00 AM	6:00 PM	Monday to Friday
2	6:00 AM	6:00 PM	Saturday, Sunday, Holidays
3	10:40 PM	11:59 PM	Monday to Friday
4	12:00 AM	7:20 AM	Monday to Friday
5	8:40 AM	5:20 PM	Monday to Friday
6	7:45 AM	8:15 AM	Monday to Friday
7	4:45 PM	5:15 PM	Monday to Friday

### Unit Access Control

Selcom 2000 places all Access Control data on one screen. Complete descriptions of each item is available by placing the mouse pointer over each item. The Sample 49 settings supplied are provided as a reference in the illustrations and will be used to explain the uses.

Note the second screen showing similar settings on a four reader system. The descriptions include Entrance four where applicable.

### Time Zones

**Times Zones** allow the User to set up 16 different time slots in a CAT and 8 time slots in a TEC unit. Each Time Zone is a separate continuous time slot. The sample zones are configured as shown on the Time Zone table. Zone 0 shows a time zone starting at 7 am to 6 pm Monday through Friday. This would be typical of a factory building open times. Time Slots must end at midnight. To set up a Group that has access through midnight, you must use two Time Zones as shown in the example as Time Zone 3 and Time Zone 4. The days of the week may be chosen for each Time Zone by 'Checking' each day you wish to use. 'Check the box again removes the selection. The Holidays box will allow access on the nine dates (16 Date in a CAT Unit) entered on the form. In the examples, Time Zone One allows access from 6 am through 6 pm, Monday through Friday. Time Zone Two allows access from 6 am through 6 pm, Saturday, Sunday and Holidays. Time Zone Six allows access from 7:45 am through 8:15 am, Monday through Friday. and Time Zone Seven allows access from 4:45 pm through 5:15 pm, Monday through Friday. This could be typical of busy times at a Gate entrance and exit.

### Access Levels

Access Levels are used to attach Time Zones to specific Entrances. In the examples, the Access Levels Zero is assigned to One, Two, Three and Five. Access Level Five is assigned to Entrance Two and Six, uses Time Zone Five (8:40 am through 5:20 pm). Access Level Six is assigned to Entrance One and Seven, uses Time Zone Six (7:45 am through 8:15 am). Access Level Seven is assigned to Entrance One and Eight, uses Time Zone Seven (4:45 pm through 5:15 pm).

**Access Groups**

Access Groups are used to allow groups of individuals card or PIN access by assigning a level or combination of levels to their group. Access Group Zero is **predefined** as an unlimited group. Group Zero allows access 24 hours a day, ALL days of the year. Access Groups are assigned to the individuals in the Directory. *If you do not assign a Group to an individual during the directory entry, Zero (0) is assigned by default.*

The examples provided show only a few ways to combine levels into a group to allow specific access to certain individuals. For example in Group Six, Access Levels Zero (0) and One (1) *could* be selected to allow a group to have access seven days a week, 7:00 am to 6:00 pm Mon. - Fri. and 6:00 am to 6:00 pm Sat, Sun and Holidays and using all entrances as selected.

**Holidays**

Sixteen Holidays may be entered in a CAT Multi Door. Up to Nine Holidays may be entered in a TEC Series with a clock and access control. They are entered as two digits for the month, a slash, and two digits for the day (XX/XX). *If a Holiday is entered and falls on a Mon -Fri, any group set with a time zone of Mon - Fri without Holidays will not have access on the holiday. Further, any group using access levels with time zones without Holiday access will not have access on the Holiday.*

**Automatic Unlock and Re-lock**

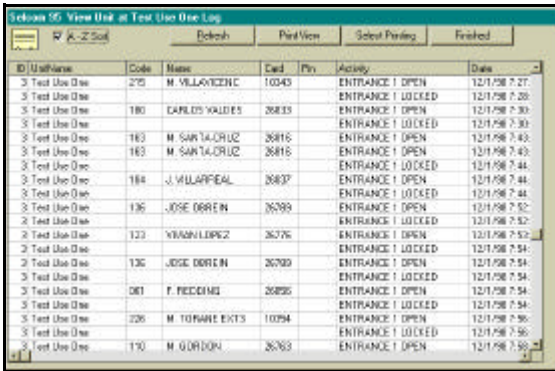
You may choose to automatically unlock (or open) and re-lock (or close) any entrance (or gate) using access groups. The example provided shows Access Group Seven used to open the Number One entrance once at 7:45 am to 8:15 am and again at 4:45 pm to 5:15 pm. This example might be an employee gate that automatically opens during the peak traffic flow. Another example would be to use Group Five using Level Five and Time Zone Five to keep open the Second Entrance during normal business hours.

Sample 49 Access Level Table		
Level	Time Zone Used	Entrances Affected
0	0	Entrance One, Two, Three and Four
1	1	Entrance One, Two, Three and Four
2	2	Entrance One, Two, Three and Four
3	3	Entrance One, Two, Three and Four
4	4	Entrance One, Two, Three and Four
5	5	Entrance Two and Four
6	6	Entrance One and Three
7	7	Entrance One and Three

Sample 49 Access Groups Table	
Access Group	Access levels and Zones Used
<b>Zero (0)</b>	None - predefined as unlimited access
<b>One (1)</b>	Level Zero using time zone zero with all entrances 7:00 am through 6:00 PM Mon. - Fri.
<b>Two (2)</b>	Level One using time zone one with all entrances 6:00 am through 6:00 PM
<b>Three (3)</b>	Level Two using time zone two with all entrances 6:00 am through 6:00 PM, Sat, Sun and Holidays.
<b>Four (4)</b>	Levels Three and Four using time zones three and four combined to allow access through all entrances 10:40 PM through 7:20 am, Mon. - Fri.
<b>Five (5)</b>	Level Five using time zone five with entrance two 8:40 PM through 5:20 PM Mon. - Fri.
<b>Six (6)</b>	None, not set to any
<b>Seven (7)</b>	Levels Six and Seven with entrance one during 7:45 am through 8:15 am and then 4:45 PM through 5:15 PM Mon. - Fri.

Sample 49 Auto Unlock / Re-lock Table			
Entrance	Access Group	Access Level	Time Zone
<b>One</b>	Seven	Six and Seven	7:45 am to 8:15 am and 4:45 PM to 5:15 PM
<b>Two</b>	None	None	None
<b>Three</b>	Seven	Six and Seven	7:45 am to 8:15 am and 4:45 PM to 5:15 PM
<b>Four</b>	None	None	None

# Selcom 2000



**Log View with columns adjusted, Date & Time Sort and Row Highlight selected.**

## Unit Event Log Control

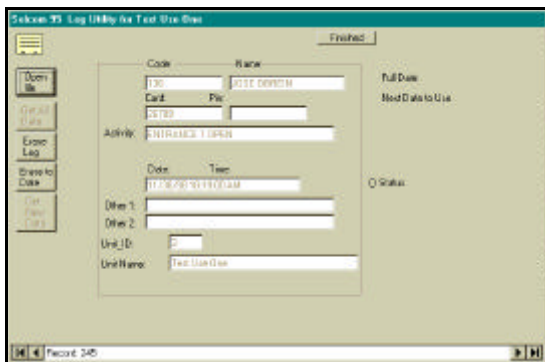
Selcom 2000 presents a new simplified view of the transaction log. All information is present and is shown in a new combined format. Selcom 2000 provides for formatting and viewing of the Event Log Buffer information and maintaining a single, separate log file for each unit or MUI Site. Each site MUI description is placed in the log to identify which unit the information is from. Sorting and filtering of the Log Events are available and do not alter the data in the log. You may use the Sorts & Filters to selectively display and print groups of records in the log. If your computer has a screen resolution higher than 640 x 480, you may resize the Window up to the full size of your screen to display more data.

Log Information Provided	
<b>ID</b>	ID number of unit called
<b>Unit Name</b>	Site or MUI count name of Unit
<b>Code</b>	Directory Code No. of Event, if applicable
<b>Name</b>	Directory Name of Event, if applicable
<b>Card</b>	Directory Card No. of Event, if applicable
<b>PIN</b>	Directory PIN No. of Event, if applicable
<b>Activity</b>	Description of event
<b>Date</b>	Date & Time event occurred
<b>Other 1 -2</b>	Partial messages, normally empty.

- ◆ File size limited by the size of your computer storage capacity, not by the software.
- ◆ Larger files require more memory to improve performance.
- ◆ Default Sort is by date and time.
- ◆ Sorting is allowed on any column.
- ◆ Temporary sizing of any column is allowed.
- ◆ Selections and sorting do not change the real data.
- ◆ The words "CODE", "CARD" and "PIN" are removed from the messages for clarity.
- ◆ Log columns separated into logical types to enhance sorting and selecting.
- ◆ Partial messages that result from data wrap in the buffer are deleted.
- ◆ Automatic update mode prevents most data repetition. In order to insure all messages are entered, the last messages with the same date and time are repeated.

Erase to date allows maintaining your log at the size and dates you desire. Larger Log files operate slower. Open File add function allows you to add old logs to the file if required.

Log Utility Function Table	
<b>Open File</b>	Opens old file for conversion
<b>Get Data</b>	Loads file chosen with Open file
<b>Erase Log</b>	COMPLETELY Erases Log
<b>Erase to Date</b>	Erases Log BEFORE a selected Date
<b>Get New-Data</b>	Loads data with dates after existing data with file chosen with Open file
<b>&lt;&lt; &gt;&gt;</b>	Allows movement through Log and view individual records.
<b>Data Control Bar</b>	



**Log Utility with record showing**

### Printing the Transaction Log

The “Print View” Button will print the information showing on the screen using your default printer. When printing a small amount of information, the “Print View” Button may be used. Sorting by the chosen method (Sorting by Cards as an example) then using the elevators to display the desired numbers and Press “Print View” Button. Additional Pages may be selected with the elevator bar and printed. The information displayed will be printed on your default printer. On screens larger than 640 x 480, the panel may be expanded to show more information. This will print, to the limit of the printer. The information displayed will be printed on your default printer. In order to print to another printer, you must change your default printer to the one desired before using Selcom 2000.



This screenshot shows the same window with columns expanded. The table contains the following data:

ID	UnitName	Code	Name	Card	Pin	Activity	Date
3	Test Use One	048	MAIR B EYRADA	26843		ENTRANCE 1 LOCKED	11/20/98 01:06:00 AM
3	Test Use One	088	T. RODRIGUEZ	30000		ENTRANCE 1 LOCKED	11/20/98 01:14:00 AM
3	Test Use One	238	MAIR B TERANO	90300		ENTRANCE 1 OPEN	11/20/98 01:17:00 AM
3	Test Use One	048	JOH RODRIGUEZ	30044		ENTRANCE 1 LOCKED	11/20/98 01:50:00 AM
3	Test Use One	076	ALEX ROBERTO	30250		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	084	JOSE STOTT	30050		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	227	M. TORANE EXT3	10354		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	276	OSCAR GARCIA	30384		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	088	JOSE VALDES	26833		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	088	JOSE VALDES	26833		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	088	JOSE VALDES	26833		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	088	JOSE VALDES	26833		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM
3	Test Use One	088	JOSE VALDES	26833		ENTRANCE 1 LOCKED	11/20/98 02:20:00 AM
3	Test Use One	048	JOSE	30000		ENTRANCE 1 OPEN	11/20/98 02:20:00 AM

Data Columns may be temporarily adjusted by dragging the column edge and sorted by clicking the column title.

Choosing the ‘Select Print’ button allows the user to select the individual columns of the log to be included in the printing. If too many columns are chosen the remainder will not be printed. **Note:** The column selection screen indicates the number of items to be printed and the number of pages that will be used. The sorting chosen for the display screen is also used for the printing. The “Temp to Log” button allows you to return to the log and change your sort and then return without losing your selections.

### Sample Direct Log

ENTRANCE 1 LOCKED 07:54 12/01/98  
 CARD 26789 CODE 136 JOSE OBREIN ENTRANCE 1 OPEN 07:54 12/01/98  
 ENTRANCE 1 LOCKED 07:54 12/01/98  
 CARD 26856 CODE 061 F. REDDING ENTRANCE 1 OPEN 07:54 12/01/98  
 ENTRANCE 1 LOCKED 07:54 12/01/98  
 CARD 10354 CODE 226 M. TORANE EXT3 ENTRANCE 1 OPEN 07:56 12/01/98  
 ENTRANCE 1 LOCKED 07:56 12/01/98  
 CARD 26763 CODE 110 M. GORDON ENTRANCE 1 OPEN 07:58 12/01/98

### Sample Converted Log

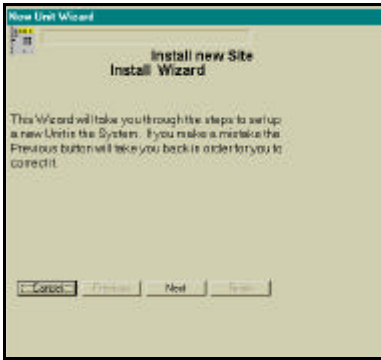
This screenshot shows the 'Selcom 95 View Unit at Test Use One Log' window. It features a table with columns for ID, UnitName, Code, Name, Card, Pin, Activity, and Date. The table contains the following data:

ID	UnitName	Code	Name	Card	Pin	Activity	Date
3	Test Use One	215	M. VILLAVICENC	10343		ENTRANCE 1 OPEN	12/1/98 7:27:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:28:
3	Test Use One	180	CARLOS VALDES	26833		ENTRANCE 1 OPEN	12/1/98 7:30:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:30:
3	Test Use One	163	M. SANTA-CRUZ	26816		ENTRANCE 1 OPEN	12/1/98 7:43:
3	Test Use One	163	M. SANTA-CRUZ	26816		ENTRANCE 1 OPEN	12/1/98 7:43:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:44:
3	Test Use One	184	J. VILLARREAL	26837		ENTRANCE 1 OPEN	12/1/98 7:44:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:44:
3	Test Use One	136	JOSE OBREIN	26789		ENTRANCE 1 OPEN	12/1/98 7:52:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:52:
3	Test Use One	123	VIVIAN LOPEZ	26776		ENTRANCE 1 OPEN	12/1/98 7:53:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:54:
3	Test Use One	136	JOSE OBREIN	26789		ENTRANCE 1 OPEN	12/1/98 7:54:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:54:
3	Test Use One	061	F. REDDING	26856		ENTRANCE 1 OPEN	12/1/98 7:54:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:54:
3	Test Use One	226	M. TORANE EXT3	10354		ENTRANCE 1 OPEN	12/1/98 7:56:
3	Test Use One					ENTRANCE 1 LOCKED	12/1/98 7:56:
3	Test Use One	110	M. GORDON	26763		ENTRANCE 1 OPEN	12/1/98 7:58:

You may return as many times as necessary to formulate your report. The individual column widths are adjustable by the user. While in the ‘Print Preview’ screen move your mouse pointer to the right edge of a column and when it changes shape, press the left mouse button and change width to the desired position. When satisfied with the look of your report, press

### Add CAT / TEC Unit Wizard

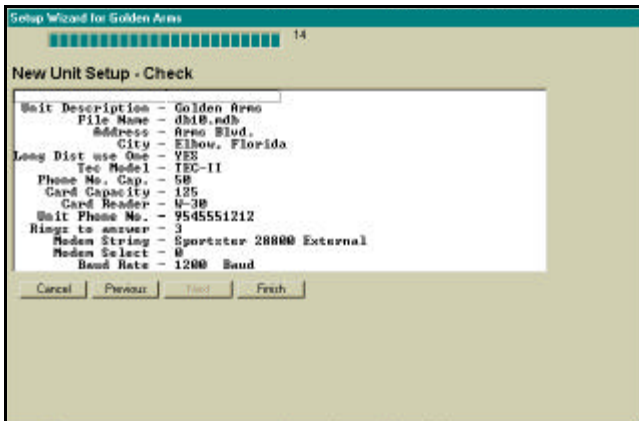
Selcom 2000 provides a 'Wizard' to help with the installation of a new Unit. It provides a step by step method of providing the information required and desired. You will need the following information at hand to 'setup' a new unit in the software (See page 30 for a handy work sheet for arranging this information)



- ◆ Your Name for the Unit.
- ◆ Unit Address (optional).
- ◆ Unit City (optional).
- ◆ Unit Type and Model.
- ◆ Unit Phone Capacity.
- ◆ Unit Code Capacity (If Used).
- ◆ Unit Phone Number.
- ◆ Method of Dialing - Use a 1 prefix or not
- ◆ You must have a modem installed into Windows 95 if you will be using that to communicate to the Unit. If a modem is properly installed, you will be able to merely **SELECT** it in a pull down selector box. If not, you may select it later using the Edit Unit Data selection from the File menu.

### Using the Wizard

The Wizard takes you step by step through the information required, providing default answers when applicable. You may go back to correct any item without reentering the remaining data you previously entered. A review is provided at the finish, allowing you to view all the entries at one time. If something needs to be changed, use the 'Previous' button to go back and correct the entry. When you have completed the entries, the 'Finish' button will enable and when pressed, sets up the new unit for you.



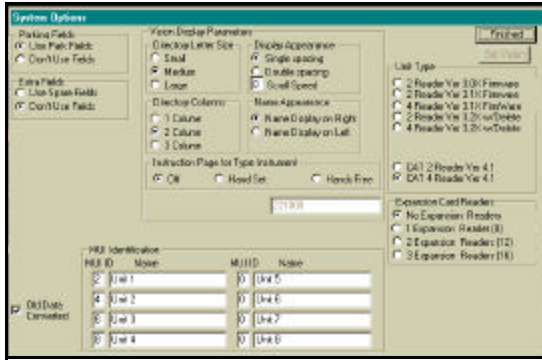
## Edit Unit Data

Selcom 2000 places Unit Data configuration data on one screen. Complete descriptions of each item is available by placing the mouse pointer over each item. The Wizard is the standard method used to complete this form. The Wizard also generate the data files needed to store the information for each new site. This screen is provided to allow changes to be entered when required after a site is created with the wizard..

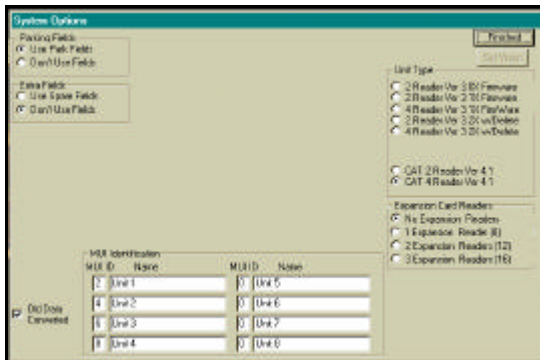
- ◆ **Unit Name** - contains the file name for the unit.
- ◆ **Site Description** - contains the Unit's name you refer to
- ◆ **Street Address** - for your reference.
- ◆ **City** - for your reference.
- ◆ **Unit Phone** - insert the number to be called including any prefixes required. (Example - 9,1028812125551212). Up to 32 digits may be used to dial the number used by Selcom 95 to connect to the unit. Note: Selcom 2000 is compatible with 10 digit local dialing
- ◆ **CAT / TEC Unit Model No.** - select from list.
- ◆ **Code Capacity** - Code capacity you purchased.
- ◆ **Phone Capacity** - Phone Capacity you purchased.
- ◆ **Use Modem / Use Direct Connect** - how will you connect to the unit to Put data and Get data.
- ◆ **Modem Name** - Pull down select for finding the modem in your computer.
- ◆ **Comm. Port** - Select the Comm. Port used in **Direct Connect**.
- ◆ **Baud Rate** - Current CAT and TEC units from SES can have an optional serial interface. You may use this interface to directly connect to the unit for programming. The default baud rate is 9600 baud and is settable from 300 to 19,200(CAT) or 9600 (TEC). Baud rates with modems are automatic.
- ◆ **Maximum Backups** - This sets the number of previous sessions the software stores. Once this number is reached, the backups are automatically rotated, replacing the oldest first. Default is nine and is recommended.
- ◆ **Next Backup No** - shows the position of the current backup.
- ◆ **Data Name** - Name of the data file for this Unit - You may set this information to configure or reconfigure software for multiple units on one directory. (See Page 20)
- ◆ **Erase Buffer on Receive** - Sets program to erase buffer when data has been received. Feature is only available in CAT Multi Door Units.
- ◆ **Multi Unit** - Sets software to allow for multiple units on a single phone line and sets sleep mode active for multiple units on single phone lines.
- ◆ **No. of Units on Directory** - Sets software to the number of units connected on **ONE** phone line with the same Directory.
- ◆ **Firmware version** - You may set this information in the options screen to configure or reconfigure software for any unit. (See Page 20) Each site maybe configured differently and the software will then show each site's features correctly.
- ◆ **Options** - This selector allows you to go to the options screen.

### Options -Screen

- ◆ **This screen is only available from the edit Unit Data Screen**
- ◆ **Cards Readers** - set the software screens to the proper firmware version and number of readers in the unit. This must match the unit or the software will not allow the user to connect to the unit. This prevents sending information to the incorrect unit. **Note: CAT Multi Door Units all have Version 4.X firmware. Only select these options when setting up a CAT Multi Door site.**
- ◆ **Expansion Card Readers** - Configures software screens to include external card reader module.
- ◆ **Vision Display Parameters** - allows setting of the CAT / TEC Vision display in Ver 4.X (CAT) and Ver 3.1X units. This includes the size of the characters, number of displayed columns, name or calling code first, display an instruction page and automatically scroll the names on the display. This programming feature requires firmware Version 3.1X or higher to function.
- ◆ **Parking Fields** - Sets the software to display the Parking in the directory display. This feature maybe selected, turned off and re-selected without loss of data.
- ◆ **Extra Fields** - Sets the software to display the extra fields in the directory display. This feature maybe selected, turned off and re-selected without loss of data.
- ◆ **Note:** When both optional fields types are not selected, the card names are also not displayed, giving the most concise display.



Options screen showing a CatVision Unit



Options screen showing a CAT Multi Door Unit

- ◆ **Extra Directory Field Names** - Allows the User to program the name of the fields shown in the directory display.
- ◆ **Expansion Card Readers Connected** - Allows the installer to select the number of Expansion Card Reader Modules ( not individual readers) connected to the CAT Unit.
- ◆ **MUI Identification** - When using MUI cards, these fields allow the user to enter the ID and their logical name for each unit. This allows sending the same directory and getting the log from more than a single unit with the individual logs identified.
- ◆ **Old Data Converted** - When Selcom 2000 is installed, a converter is provided for the user to transfer the information from the old Selcom 95 system to the new one. For accident prevention, this converter will run once and not appear in the menu again. If it is required to operate the converter again, this box should be **unchecked**. If the converter is operated again, the data **WILL** revert to the Selcom 95 data. If this was a new install, with no data to transfer, this box may be checked to remove the converter from the menu.

### Convert -Screen

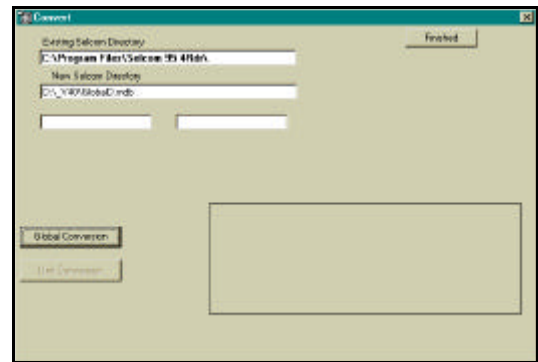
**This converter will transfer the data from Selcom 95 Ver 1.1 through Ver 1.3X. Verify your version prior to operating this converter.**

#### Controls and Selectors

- ◆ **Existing Selcom Directory** - Enter the directory where your **present** data is located.
- ◆ **New Selcom Directory** - This directory is determined by the software and is shown for the user to verify that it is correct.
- ◆ **Global Conversion** - After selecting the proper directory this button is “Clicked” to perform the first part of the conversion.

#### To Use this function:

- 1 Select File - Convert from the main menu.
- 2 This screen will appear.
- 3 Select the Directory where your old data exists. If you did a standard install, the Directory is “C:\Program Files\Selcom 95 4Rdr” and will show in the window.
- 4 Click the “Global Conversion” button.
- 5 After it is complete, Click the “Unit Conversion” button.
- 6 During the conversion, progress information will be displayed.
- 7 Upon completion, Click “Finished” on the convert screen.
- 8 The files are transferred into the new system, but the old files are not removed.
- 9 If you desire to remove the old files, you may do so manually. Check the new files to insure they were properly transferred prior to deleting the old files.



## **Setting your Microsoft Windows Telephone Application Programming Interface (TAPI)**

### **Long Distance Control**

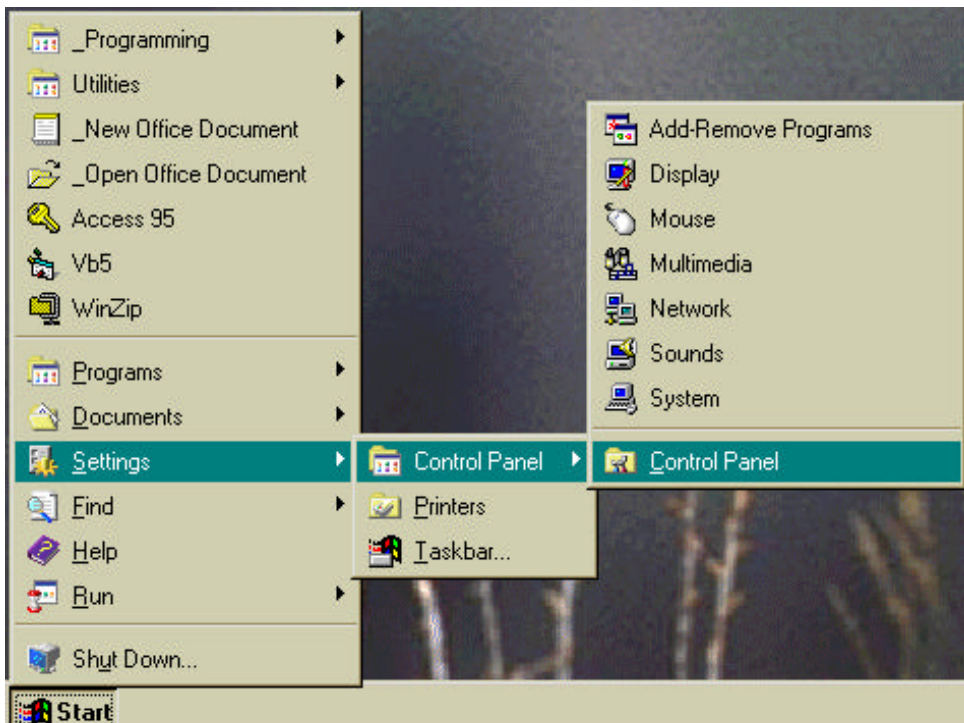
Under some versions of windows, Windows 95 TAPI controls do not handle ten digit dialing and or long distance correctly. For your convenience, the local area code awareness of Windows 95 is not used in Selcom 2000 **even if your other programs use it.**

This means you will directly control the long distance area codes. In Selcom 2000, enter (area prefix suffix) in the Wizard or in 'Edit CAT / TEC Unit Data Screen. Place the correct number in the Unit Phone: window. Example for 10 digit local calling: '3055551212'. Place any special prefix and all the numbers necessary and Selcom 2000 TAPI will dial it exactly for you. This feature allows for 10 digit local calling, same area code long distance calling as well as special carrier long distance calling as in (1010321,13975551212). Selcom 2000 allows for 32 digits to be placed into the called number. Spaces, Parentheses and Dashes are not required and not allowed.

### **Error Control**

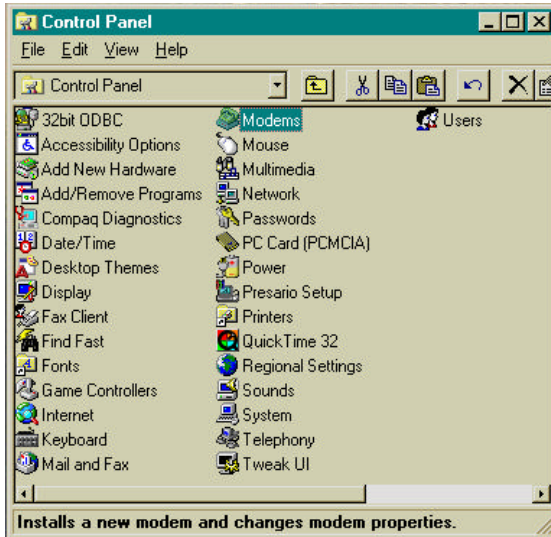
Selcom 2000 uses the standard TAPI interface within **Windows 95/98/NT**. This allows for a modem to be installed into Windows 95 and Selcom 2000 will use it.

Selcom 2000 requires that error control be turned off. We are providing the following instructions to turn off error control. In order to assist you we have provided the following setup.



Using Start - select 'Settings' then 'Control Panel' then,if required ,

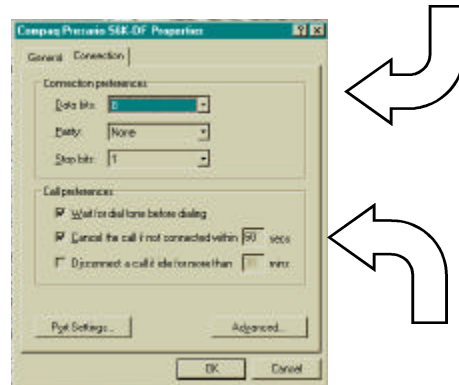
# Setting your Microsoft Windows Telephone Application Programming Interface (TAPI) continued...



Using Control Panel - select 'Modems'.

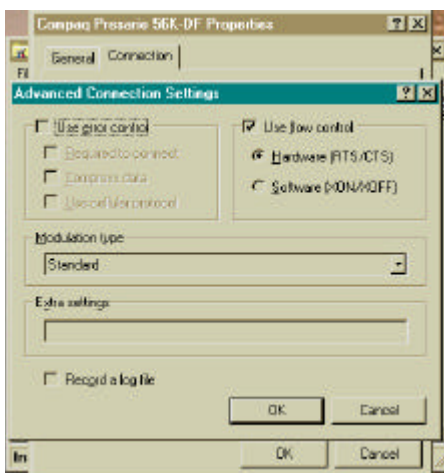


Then select the modem you will use with Selcom 95. Next select the 'Properties' menu.



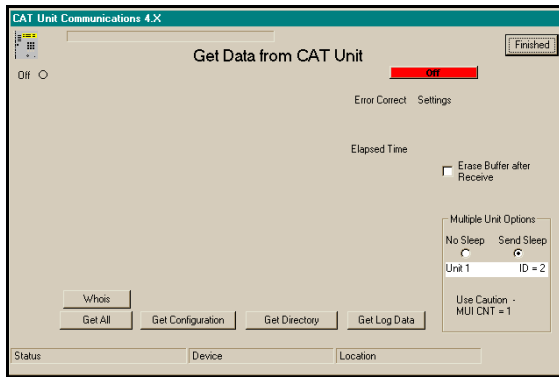
You may need to set "Cancel call if not connected within" to 90 - 120 seconds if you are using long ring counts or Unit ID's then

Using 'Properties, select Advanced and then 'Connections'.



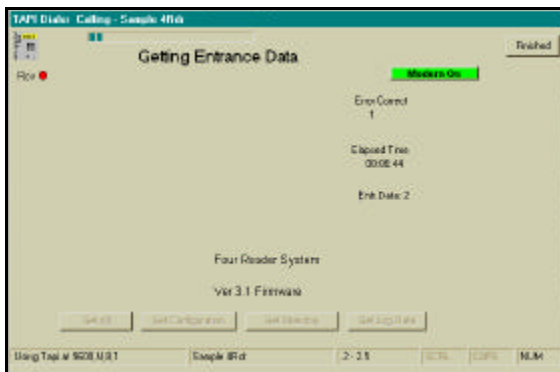
Using 'Advanced Connection Settings, make sure 'Use error control' is NOT checked. Then click 'OK' and then 'OK' again.

### Get Data from TEC Unit



1 Selcom 2000 provides a choice selection screen to choose the information you GET from the CAT / TEC Unit. During transmission the screen reports Connection Progress, error correction, record numbers, elapsed time and other information. The ID and Firmware version of the unit is checked to insure the proper unit answered. Choosing ‘Get All’ will get the configuration, directory and the log from the unit. You may choose to get each item individually. Getting the Log will cause the system to disconnect from the unit after getting the log, to enable the file sorting system to function automatically. The MUI Sleep box allows you to disable the unit sleep function when required and will only appear if selected during setup.

The Four Entrance screen shows the addition information provided. The system re-configures its settings to match the unit during the GET DATA process. This includes Unit capacities, number of reader capacity (even if none are installed), and number of names to get from or send to the unit.



#### Caution:

When “Get Directory” or “Get All” is used, the items in the Selcom 2000 directory are updated. The directory in Selcom 2000 is NOT erased. Any codes in Selcom 2000 and NOT in the Unit remain. A warning message would occur prior to getting the data telling the user that updates exist and may be lost. If these were codes to ADD in an update, the update flag on the code or codes to update would NOT be cleared. If these were codes to CHANGE in an update, the update flag on the name or names to update WOULD be cleared and the data would RETURN to what was in the unit.

Get Features are inactive in  
Demo Version of software

## Send Data to TEC Unit

Selcom 2000 provides a choice selection screen to choose the information you SEND to the CAT / TEC Unit. During transmission the screen reports Connection Progress, error correction, record numbers, elapsed time and other information. The system re-configures its settings to match the unit during the SEND DATA process. The ID and Firmware version of the unit is checked to insure the proper unit answered.

Choosing 'Send All' will send the Unit configuration and ALL of the directory data to the unit. You may choose to send each item individually. When you send All or send Directory, the items marked for Delete will be **completely** deleted.

### New

Sending Updates will cause the system to send new and changed directory items only, then automatically disconnect, providing for a shorter connection time. Selcom 2000 allows you to mark names for deletion and they will be deleted during an update. However, older units, as in TEC Units with 3.0x and 3.1x firmware, the code number cannot be erased in update mode but can be reused at anytime.

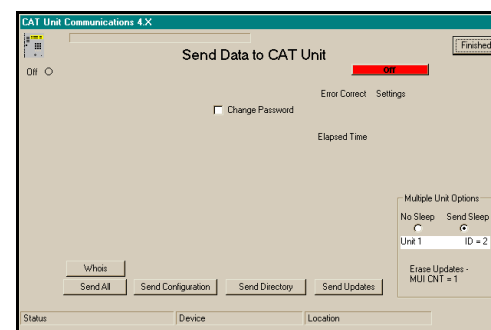
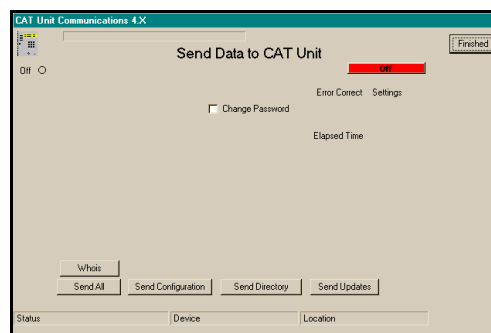
You also have the option of changing the Unit password as you send the configuration to the Unit. After completing the change, the system enters the new password into the file automatically. Do not change passwords while using the MUI functions as the password will change before connecting to the next unit.

The Multiple Unit Function area allows the operator to disable the unit clear updates, disable the sleep function when required and will only appear if MUI functions are selected during setup. See Page 27 for more detail.

### Caution:

When 'Send Directory' or "Send All" is used, the directory items in the unit are replaced. Any codes in Unit

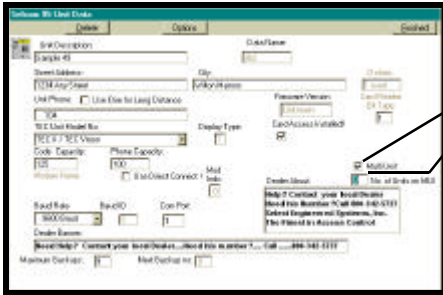
Send Features are inactive in  
Demo Version of software



and not in Selcom 2000 are removed. "Send Updates" send only the codes marked for update. The directory in the unit is not erased. Any codes marked for update are changed or added.

## Using Multiple Unit Features

The Multiple Unit function allows for the use of several units connected to one phone number and or the use of the same directory in more than one unit. The operator controls specific features used with Multiple Unit sites in order to send the correct data.. The features are clearing delete and update flags in the software after sending the information and putting the unit to sleep so another unit may answer. **The sleep function only lasts two minutes between calls. You must be ready to make the next call, or you will have to start over.** The features used will depend on the actual physical configuration . **The Multiple Unit function will only work reliably with the CAT Multi Door and TEC firmware versions greater than Version 3.10. If you units have firmware marked Ver 3.03 or before, please consult factory.**



These features will work with four variations of unit setups.

### (Variation 1)

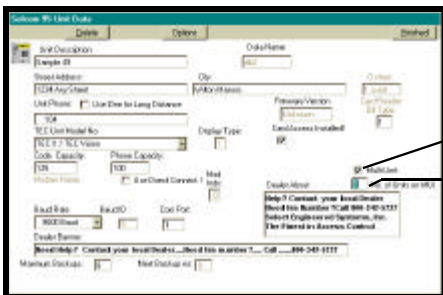
**Unit connected on one phone line with one directory.** This would be a standard unit. There is only **one** unit connected and only **one** unit uses the directory. **Un-Check Multi Unit.**

In the unit, set the ring count to any number desired. Two or three is recommended. **The software will not allow you to send or get data from the unit if the Unit ID is incorrect.**

### Example

For a site with one unit, we suggest setting the unit to two rings (TEC units refer to this as Ring Count, CAT units refer to this as Unit ID). Consult the technical manual for instructions on using a terminal to make these adjustments.

Once the ring count are set, in the Selcom software, **Select** the unit to be used for the Send. Go to **File - Edit CAT / TEC Unit Data. Un-Check Multi-unit.** Enter the number of units (In our example this is one) in the **No. of Units on MUI** window. This sets the software to call one unit and reset the directory updates on the call. The options screen MUI Unit ID's are **not** used. The chosen name will **NOT** appear in the log data. The Select Unit name for your unit is used in the Log. It is not necessary to change any unit's settings in the option screen that you are not using.



### Do's and Do not's

- 1 **Do** use ring count or Unit ID of two or more. **Do not** use a ring count of one (1).
- 2 **Do not** check the MUI function in Edit TEC/CAT Unit Data.

### (Variation 2)

**Units connected together on one phone line with the same direc-**

## Using Multiple Unit Features

**tory.** Recommended limit is four(4),

Select the Multi Unit function in Edit TEC/CAT Unit Data.

Indicate the number of units to send the same directory or updates to (2,3 or 4).

In each unit, set the separate ring counts. Consult the technical manual for instructions on using a terminal to make these adjustments.

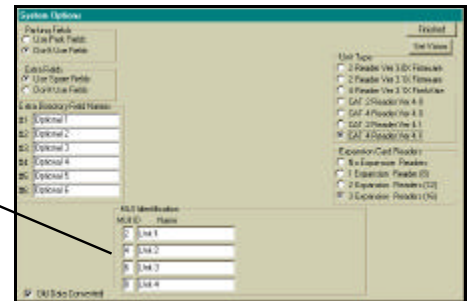
### Example

For a site with three units, we suggest setting one unit to two rings, the second unit to four rings and the last unit to six rings (TEC units refer to this as Ring Count, CAT units refer to this as Unit ID). Consult the technical manual for instructions on using a terminal to make these adjustments.

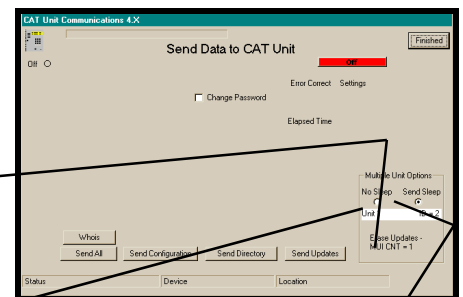
Once the ring counts are set, in the Selcom software, **Select** the unit to be used for the Send. Go to **File - Edit CAT / TEC Unit Data**. Check **Multi-unit**. Enter the number of units (In our example this is three) in the **No. of Units on MUI** window. This sets the software to call three units and reset the directory updates on the third call. Go to the options screen and set the MUI Unit ID's to match your unit settings. Set the top selection to match your first unit (the unit with the lowest ring count or unit id.) and your second unit next with your third unit next. You may rename each unit, if you wish and your chosen name will appear in the log data. It is not necessary to change any additional unit's settings in the option screen that you are not using. **The software will not allow you to send or get data from the unit if the Unit ID is incorrect.**

When the site is called, system will call the first of the units indicated in the Edit CAT / TEC Unit Data Screen one at a time. If you are sending All or the directory or directory updates, a special sequence is followed:

- 1 The first (the one with the lowest ring count) unit is called first. The ID of the unit is checked to insure the proper unit answered.
- 2 This unit (and each following) will be put to sleep at the end of each transmittal to allow the next unit to answer. The update flag is not cleared for directory updates until the last unit is sent or if the clear updates box is checked.
- 3 A Count-Down window is visible on the Main Screen showing the units remaining to be called.
- 4 **Repeat** the Send command for each unit. Only the first button selected is allowed on subsequent calls. After the last unit is finished, the software will return to the main screen To obtain the Log information from units, create separate MUI Identification



Options screen showing MUI Identifications



names in the option screen (See page 20) using different names for each unit . This MUI Identification will be placed in the log. When getting the logs from MUI sites, the auto skip date feature is blocked. If the log is not deleted in the software before the Get, or in the units after the Get, data will be repeated. If you desire to check the contents of the individual directories, it is recommended to used variation 2 to check the contents as a single directory will not show you any differences.

**Do's and Do not's**

- 1 **Do** keep ring counts separated by two (2,4,6,8). CAT Multi Door Systems may be set one count apart depending on conditions.
- 2 **Do not** use a ring count of one (1) on any unit except a CAT Unit.
- 3 **Do** keep a list of the order of units to call.
- 4 **Do not** wait more than 1½ minutes between calls as the sleep function in the units will end. Selcom 2000 will stop and give you a message if the Unit Id does not match the expected number.

**(Variation 3)**

**Units connected together on one phone line** with the **different** directories (using **different** unit names for each unit). Recommended limit is four(4).

Create separate sites for each of the units. Label each unit clearly (perhaps by location?)

Select Multi Unit on each of the units.

Indicate the number of units to send as one (1) on all of the units.

Use a different Unit ID (or Ring Count) for each of the units.

**Example**

When the site is called, system will set to call the number of units indicated in the Edit CAT / TEC Unit Data Screen. that is why it is important to set each site to one. This will tell the software to clear updates, but put the unit to sleep. If you are sending All or the directory or directory updates, a special sequence is followed:

- 1 The first (the one with the lowest ID) unit is called first.The ID of the unit is checked to insure the proper unit answered.
- 2 This unit (and each following) will be put to sleep at the end of each transmittal to allow the next unit to answer. The update flag is cleared for directory updates when the number of units on MUI is set to one. This is automatically set when the current unit becomes the last to send to.
- 3 Select each unit in turn and repeat the Send command for each unit.
- 4 Getting all information from the units is allowed as the files used are separate. To obtain the information from units, select each unit in turn and perform the upload or download function desired.
- 5 The system will automatically put each unit to sleep unless the No Sleep selection is made.

**Do's and Do not's**

- 1 **Do** keep ring counts separated by two (2,4,6,8). CAT Multi Door Systems may be set one count apart depending on conditions.
- 2 **Do not** use a ring count of one (1) on any unit except a CAT Unit.
- 3 **Do** keep a list of the order of units to call.
- 4 **Do not** wait more than 1½ minutes between calls as the sleep function in the units will end. Selcom 2000 will stop and give you a message if the Unit ID does not match the expected number.

## (Variation 4)

**Units connected on different phone lines with the same directory.** There is no recommended limit, but care must be taken to insure all units are updated with new data.

In each unit, select Multi Unit. Indicate the number of units to send the same directory or updates to (2).

In each unit, set each unit's ring count or Unit ID to the same setting.

### Example

For a site like this, we suggest setting to two rings, (TEC units refer to this as Ring Count, CAT units refer to this as Unit ID). Consult the technical manual for instructions on using a terminal to make these adjustments.

Once the ring counts or Unit ID's are set, in the Selcom software, **Select** the unit to be used for the Send. Go to **File - Edit CAT / TEC Unit Data**. Check **Multi-unit**. Enter the number of units (In our example as well as any site of this type, this is two) in the **No. of Units on MUI** window. **Note the file name in Data Name Window**. This sets the software to call two units and reset the directory updates on the second call. Go to the options screen and set the MUI Unit ID's to match your unit settings ( in this case all units to 2). Set the top selection to match all units (the unit with the lowest ring count or unit id.). Using the Add Unit Wizard, set up each of the additional units including the proper phone number. Set each unit to a MUI site and number of units to 2. **Enter the file name in the Data Name Window from the first Unit**. This will make this unit use the first units directory.

When each site is called, system will call the indicated unit in the Edit CAT / TEC Unit Data Screen one at a time using the Directory file entered in the Edit CAT/TEC Unit data screen. If you are sending All or the directory or directory updates, a special sequence is followed:

- 1 On the **Main Screen** select the first unit. The first (the primary) unit is called first. The ID of the unit is checked to insure the proper unit answered. **Note: All units Must have the same ID.**
- 2 This unit (and each following) will be sent the same directory. The update flag is not cleared for directory updates until the clear updates box is checked. This Flag allows you to send just the updates to the units to save time. You may send Directory when you wish to make sure ALL data is in the unit.
- 3 After the call is completed, abort the second call, and go to the **Main Screen** and Select the second unit. Each time you Select another unit to give the same directory to, repeat the Send command for each unit. **When you send to the final unit you may select No Sleep as this will clear the update flags in the directory file on the last call.** To obtain the configuration and log information from units, create more separate units (See page 20) using different names for each unit . These names will be placed in each individual log. If you desire to check the contents of the individual directories, it is recommended to used these separate files to check the contents as a single directory may not show you any differences. If you are concerned that the individual units do not have the same information, sending the complete directory erases the units contents and replaces it with the computer file you send.

### Do's and Do not's

- 1 **Do** use the same ring count
- 2 **Do not** use a ring count of one (1).
- 3 **Do** keep a list of the order and names of units to call.
- 4 **Do check** MUI and set number of units on directory to 2.

## Helpful Hints

Selcom 2000 is designed to use the SMALL(Normal Size) font selection in the Control Panel - Display - Settings - Font Size. Choosing Large fonts will cause some wording not to be displayed correctly.

## General

The [TAB] key [forward] and [Shift Tab] key [backwards] also moves from text window to text window. The [Enter] key behaves like the [TAB] key as well.

The minimum computer specified will operate correctly when Selcom 2000 is the only running. Larger computers with more memory will operate faster . Other programs should be exited first.

## Data Files

Data files and the backups are compatible with Microsoft Access Version 7.0 or higher and may be used to generate reports from the data if desired. Do not convert your data or add,subtract or rename any fields with the Access Data Manager as it will cause problems with Selcom 2000 later.

## Remote Data Storage

If you wish to archive your data and/or backup data in another location, copy the files in your Selcom directory. If you did a standard install, the files are in

**C:\Program Files\Selcom 2000\\*.mdb** . The backup files are in

**C:\Program Files\Selcom 2000\Backup\\*.md\***. Make a copy these files to a location of your choice.

## Version Number

When talking to tech support, your serial number and the version number(shown on the Help - About menu selection) is very important. The Unit Firmware version is displayed in the "Edit CAT / TEC Unit Data" screen. Check them before you call.

## Directory

Refresh retrieves a new copy from the disk and resets the records to the name order. Selecting a name to edit automatically sets the record to be sent to the unit on the next update.

To print a partial Directory, sort by the type of request, then use the elevator bar to view what you want to print and press "Print View".

## Edit Directory

Return to view button updates the record.

**Update Record Button** is present to allow user to continue to enter new records as in **Add New Button** - complete the record - **Update Record Button**(save it) - **Add New Button** - etc...

In the Directory EDIT screen the triangles located on the lower record bar allow you to move through the directory. The Left Bar-triangle moves to the first record, the triangle

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WORK SHEET - COPY BEFORE USING  
NEW UNIT SETUP  
PREPARE INFORMATION BEFORE HAND

Unit Description (name) -	
File name -	
Address -	
City -	
TEC Model -	
Phone Number Capacity -	
Card Capacity -	
Unit Phone Number -	
Unit ID (Rings to Answer) -	
Modem String -	
Modem Select -	
Baud Rate -	
12/98	









**BEFORE WRITING - COPY THIS FORM**  
**USE THIS WORK SHEET TO ASSEMBLE YOUR RELAY INFORMATION THEN TRANSFER TO SELCOM**  
**2000 Optional Relay Fields with custom titles are available in CAT Multi Door Units only!**

Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.
0	16	32	48	64	80	96	112
1	17	33	49	65	81	97	113
2	18	34	50	66	82	98	114
3	19	35	51	67	83	99	115
4	20	36	52	68	84	100	116
5	21	37	53	69	85	101	117
6	22	38	54	70	86	102	118
7	23	39	55	71	87	103	119
8	24	40	56	72	88	104	120
9	25	41	57	73	89	105	121
10	26	42	58	74	90	106	122
11	27	43	59	75	91	107	123
12	28	44	60	76	92	108	124
13	29	45	61	77	93	109	125
14	30	46	62	78	94	110	126
15	31	47	63	79	95	111	127

**BEFORE WRITING - COPY THIS FORM**

**USE THIS WORK SHEET TO ASSEMBLE YOUR RELAY INFORMATION THEN TRANSFER TO SELCOM 2000 Optional Relay Fields with custom titles are available in CAT Multi Door Units only!**

Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.	Named Relay Functions for Relay No.
128	144	160	176	192	208	224	240
129	145	161	177	193	209	225	241
130	146	162	178	194	210	226	242
131	147	163	179	195	211	227	243
132	148	164	180	196	212	228	244
133	149	165	181	197	213	229	245
134	150	166	182	198	214	230	246
135	151	167	183	199	215	231	247
136	152	168	184	200	216	232	248
137	153	169	185	201	217	233	249
138	154	170	186	202	218	234	250
139	155	171	187	203	219	235	251
140	156	172	188	204	220	236	252
141	157	173	189	205	221	237	253
142	158	174	190	206	222	238	254
143	159	175	191	207	223	239	255

## How to get into Terminal Mode

It is occasionally necessary to directly manipulate the contents of the CAT / Tec units' memory. Using the Terminal selection from the Selcom 2000 Options menu can do this.

- 1) Select the desired site.
- 2) Click on Options.
- 3) Click on Terminal.
- 4) Click on File, then Place Call or click on the telephone icon.

If connecting with a serial connection, you must press the [ESC] key for the unit to prompt you for the password. If you do not press [ESC], the unit will send transaction data to the terminal as it occurs. If connecting with a modem, Selcom 95 will call the Tec unit and prompt you for the password by changing the screen from white to black and prompting with the word PASSWORD: This is the programming password found in your System CFG menu. Key in the 6 digit password and press "Enter" You should get a selection that says Main Menu and has 9 selections available. These selections correspond to the sections in the Tec Manual that came with your Tec product. In the examples that follow, the section heading is referring to the manual section that describes the function. For example setting the clock time is something that would be required twice a year to go on (or off) daylight savings time.

### EXCERPTS FROM TEC MANUALS FOR YOUR CONVENIENCE

#### 4.2.5.1 SETTING TIME / DATE

**NOTE: ONCE TIME/DATE PROGRAMMING HAS BEGUN, ALL SELECTIONS MUST BE COMPLETED FOR CHANGES TO TAKE EFFECT.**

**00:00 00/00/00  
MIN.:**

Select "1" to set the time & date.  
You will be prompted to enter the current time in minutes as a one or two digit number. If you make a mistake, press "←" to backspace one character. After the minutes are entered, press the "Enter" key.

**00:00 00/00/00  
HOUR:**

Enter a 1 or 2 digit number to set the hour. If a mistake is made, press "←" to backspace one character. After the hour is entered, press the "Enter" key.

**00:00 00/00/00  
DAY, 1..7:**

This is NOT the day of the month. This is a number which corresponds to the day of the week. Enter a number corresponding to the day of the week. Sunday is "1", Saturday is "7" and so forth. If you make a mistake, press "←" to backspace one character. After the day of the week is entered, press the "Enter" key.

**00:00 00/00/00  
DATE:**

Enter a 1 or 2 digit number to set the day of the month. If a mistake is made, press "←" to backspace one character. After the day is entered, press the "Enter" key.

**00:00 00/00/00**  
**MONTH:**

Enter a 1 or 2 digit number to set the month. If you make a mistake, press " ←" to backspace one character. After the month is entered, press the "Enter" key.

**00:00 00/00/00**  
**YEAR:**

Enter a 2 digit number to set the year. If you make a mistake, press " ←" to backspace one character. After the year is entered, press the "Enter" key.  
You will be returned to the Clock Setup menu.

#### 4.2.3.9 TEC VISION TITLE PAGE

**LINE 1**

The Tec Vision Title Page has six lines of up to sixteen characters per line, including punctuation, when programmed from terminal mode.

To program the Title Page, press "9" from the System Parameters menu to get this sub-menu. Key in the desired characters. Press " ←" to backspace one character. When the first line is complete, press "Enter" to advance to the second line.

**LINES 2 - 6**

Continue the 2nd through 6th lines as required. If you require any modifications of any line, then line 1 must be re-entered, along with any of the other lines preceding the line you want to change. After completion, press "Enter". This will return you to the System Parameters menu.

#### 4.2.4.6 TEC VISION LCD CONFIGURATION

This selection controls:

**NUM OF COL <1 - 3>**  
**CHARSIZE <1, 2, 4>**  
**S/D SPACE <1 - 2>**  
**AUTO SCROLL <0 - 9>**  
**CODE POS. <0 - 1>**  
**INST. TYPE <0 - 2>**  
**221000**

- A) How many columns are displayed.
- B) Which of three character sizes are displayed.
- C) Whether line spacing is single or double.
- D) Whether names scroll, and how fast.
- E) Whether code position is to the left or right of the name.
- F) Whether instructions are for handset or handsfree models, or ignored.

Character size 1 is the smallest character size TecVision supports. Character size 2 is twice as big as character size 1, and character size 4 is four times as big. 1, 2, and 4 are the only choices.

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