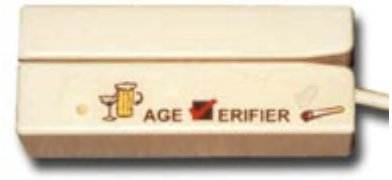
SCAN TECHNOLOGY, INC.

"PCAV"
PC-BASED DRIVER'S LICENSE/ID CARD READER
AGE VERIFICTAION SYSTEM
USER'S GUIDE



2000E-6 (Magstripe & PDF-417)

(We also offer a Model 2000E-5 PDF417 only)





4000M-AVAF (Available in Black or White (beige.)

(Reads Credit Cards and Magstripe IDs)



2000S-800

(Reads 'front of ID' only.)



2000B/I-D432



2000B/I-1690



2000B/I-4600r



(Reads POS Product Barcodes (UPC), PDF-417 Barcode IDs, Signatures and Images)

FCC Compliance

This equipment referenced in this User's Guide complies with the requirements in FCC rule, part 15 for Class A computing devices. Residential area use may require the user to correct for Radio or TV interference.

Limitation of Liability

Scan Technology, Inc. liability for any defective products is limited to the repair or replacement of the products at our option. Scan Technology, Inc. shall not be liable for:

1. Damage to the product due to obvious customer abuse or misuse.

2. Damage to other property caused by any defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss, or

3. Any other damages, whether incidental, consequential or otherwise. Some states do not allow limitation on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Disclaimer

Some states and jurisdictions, from time to time, may change their method of encoding data on driver's licenses and ID cards. In some cases, they may also introduce an encryption method to prevent the extraction of any or some portions of the encoded data. Scan Technology, Inc. will make every effort to upgrade our programs so that the user can continue reading the new encoded cards. Such upgrades would be performed in our facility at a nominal charge. However, we cannot guarantee we will always be successful in these efforts.

The software provided with our Age Verifier products allows the user to select data from the following choices: 1. Store only basic Log data consisting of the cardholder's ID #, Date of Birth, Age, and the Date & Time the card was read. In some cases, the cardholder Name will also be stored. 2. Store the complete record of the encoded data to create a complete Log. Many States, law enforcement agencies, and other legal entities prohibit using this information to send direct mail to the cardholder for solicitation of business or other reasons. If you use this information for that purpose, you do so at your own risk.

Other product and company names mentioned herein may be the trademarks of their respective owners.

PCAV / IDAutoFill Software Version – September 4, 2007 Revision AD113b(904).exe for ALL Models *except* →*2000S-800
*Contact us for more information on our *Model 2000S-800, which only reads the 'front' of Drivers' Licenses.
*Model 2000S-800 reads name and address from ALL USA & Canadian Drivers' Licenses.

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"PCAV" USER'S GUIDE FOR
PC BASED DRIVER'S LICENSE/ID CARD READER SYSTEM:

SYSTEM DESCRIPTION

The system consists of 2 main elements:

1. A resident PCAV.exe Windows®-Based Software Program that accepts data contained on driver's licenses and ID cards that follow AAMVA published Standards. This data is processed to perform a number of actions discussed in detail in this Guide.
2. The second element consists of a variety of input scanning devices that capture the encoded data that may be in the form of magnetic stripe data and/or PDF-417 2D bar code data. These choice devices are discussed in detail in this Guide.

PC PROGRAM FUNCTION

After installation, the program is automatically loaded when the PC is powered ON, as long as the program is in your Windows® Startup Programs Folder. It remains resident and is activated when it receives and detects a driver's license, a credit card, an ID card, or a bar code read from a POS operation transmitted to either the PCs serial port, or USB port; depending on Model. If the source of the data transmitted is not a driver's license/state ID card, the information will be passed on to the current application running on the PC. If the data is a driver's license/ID card the Age Verifier program does the following:

1. It reads the Birth Date and Expiration Date encoded on a driver's license and compares that data to the PC's clock settings.
2. It controls the PC's display to indicate the Age and License validity.
3. It stores the records representing cards read for the creation of a Database.txt file to be used to record all drivers' licenses and/or ID cards read. Three other files can be generated. One would create an edited record file. The second captures a complete record of all cards read, including duplicate records. The third is a CSV File that can be used for multiple purposes. This is covered in more detail later in this Guide.
4. It can 'BAN' IDs from undesirable patrons. Press any key immediately after you scan ID. The date, time and ID # is placed in a **"Banned.txt"** file in the **"C:\Scan – Folder"**. To Un-Ban, simply delete that record from the file. You can email the file, for others to put in their file.

IDAutoFill: PROGRAM EXTENSION

The Scan Technology, Inc. - IDAutoFill Windows® PC-Based Program Extension file works in conjunction with STI's – "PCAV" / PC-BASED Age Verification Windows® Program – Rev AD113b.(904).exe. IDAutoFill selectively transmits the desired fields from scanned State Driver's License to a previously defined formatted screen, eliminating the necessity of manually keying in the data.

The program processes licenses encoded with PDF-417 bar codes and magnetic stripe.

IDAutoFill: HIGHLIGHTS:

1. Fast, accurate entry of all required fields to a formatted screen.
2. Very User Friendly Setup. Once a formatted screen has been developed, it is a simple task to create an IDAutoFill.saf File to create a string of data that defines the fields required, and where to place them. Appendix A reflects the Field Names available, and the Keyboard Keys available to position the cursor and move it from field to field to properly 'fill up the screen'.

IDAutoFill: HIGHLIGHTS cont.

3. A very forgiving program. Some states do not adhere to the AAMVA Standards that define how individual fields are encoded. As a result, on occasion, some desired fields are either not encoded, encrypted, or they are impossible to locate. When this occurs, our program simply leaves the field blank, and moves on to the next field. The user can move the cursor to the missing field and manually key it in. The missing data is normally displayed on the front of the driver's license, even thought it is not accessible on the back.
4. In addition to filling in missing fields, the program allows the user to insert comments or other keyboard characters, if desired, anywhere in the formatted screen.
5. The IDAutoFill program is incorporated into our PCAV Program. PCAV has the ability to read a driver's license, capture the data, verify the age of the cardholder, display momentarily the key fields, and transmits the data to a Database.txt file. This file, in turn, can be sent to Excel Files for other purposes. At this time, our PC program must be configured to either perform the IDAutoFill function, or perform the Age Verification function only. Before the end of year, we will offer an upgrade at a nominal charge to perform both functions simultaneously. We will also be offering separate PCAV, and IDAutoFill Programs.

IDAutoFill: CURRENT USES: ("Partial list")

- Pharmacies can use the system to generate a log reflecting their customers who purchase such products as Pseudoephedrine, as required by law. The police authorities, in turn, could merge these files from different pharmacies to determine if an individual is making such purchases at different pharmacy locations
- Filling out Job Application Forms. By simply reading a driver's license, most, if not all required personal information is inserted in the form. Only information such as Job History, Educational Background, etc. would require manual entry.
- Checking into a Hotel. Again, all personal information can be captured by the program. Only information such as Payment method (Credit Card information), Phone Number, etc. would be manually keyed in.
- Applying for a Charge Card at Department Stores, etc. A fast, easy way to sign up a new customer accurately.
- Admitting an individual to a Hospital or Emergency Room facility. Speed is of the essence, and on occasion, the patient is not capable of providing the required admitting information.
- Police operations such as Arresting and Booking an individual. It is imperative that the booking information is entered accurately. Should the Name, Driver's License Number, and other fields be entered incorrectly, the charges might be dropped and the case 'thrown out of court'. The ability to add comments to the data would also be useful. For example, comments such as demeanor, physical condition, etc. could be added to the booking report.
- Casino Operations. The IDAutoFill program can serve several functions: It can capture the customer's personal information that could be used to create a VIP and/or Player Card. It can be used to create a Database File that could be used for follow-up correspondence with special announcements and offers.
- Other Business Establishments: Like casinos, this capability could be useful to Sports Bars, Lounges, Restaurants, outdoor events, etc.

IDAutoFill: PRE-PLANNING TO CREATION OF THE IDAutoFill.saf FILE:

Before you create the file you must first manually go through the Formatted Screen fields and make a note of exactly where you wish to insert Legends, Keyboard Emulation Keys, and enter Spaces to 'make

room' for comments, etc. This will make it very simple to create the IDAutoFill.saf File. The **IDAutoFill Legends/Descriptions** below provides the various fields that can be defined for data capture and sent to the formatted screen. In addition, it shows the various keyboard keys that are used to direct the data to the proper location on the screen. All locations are enclosed with < and > signs. This is to insure the program 'knows' it is a defined Legend for data fields, not variable data comments.

IDAutoFill Legends	Description
<Name>	Name in First, Middle, Last format –or-
<First>	First Name Only
<Middle>	Middle Name or Initial Only
<Last>	Last Name Only. It may include Jr., Sr., etc.
<Address>	Street Address
<City>	City
<State>	State (2 character format)
<ZIP>	ZIP or postal code (Sends first 5 + 4 if encoded.)
<ZIP5>	ZIP or postal code (Sends just first 5 digits.)
<Sex>	Sex (M or F)
<BirthDate>	Birthdate in MM/DD/YYYY format
<ExpirationDate>	License Expiration Date in MM/DD/YYYY format
<License>	License ID Number
<Hair>	Hair Color or Code
<Eyes>	Eye Color
<Weight>	Weight – May be in pounds or kilograms
<SSN>	Social Security Number or alternate document ID #.
<Class>	License Class
<Age>	Age as of date of scan.
<Prefix>	Prefix as given (Mr. Ms. Dr. Etc.)
<Suffix>	Suffix as given (Jr. Sr. MD, etc.)

Keyboard Emulation	Description
<CR>	Insert Carriage Return and Line Feed Character
<TAB>	Tab to next field
<BS>	Back Space (destroys the last character)
<HOME>	Go to Home on current page
<PRIOR>	Go to previous page (Same as Pg up>
<NEXT>	Go to next page (Same as Pg Dn>
<END>	Go to last field on this line/page
<LEFT>	Cursor left one position (non-destructive)
<UP>	Cursor up one row
<RIGHT>	Cursor right one position
<DOWN>	Cursor down one row
<DELETE>	Delete character under cursor
<F1 thru F12>	Emulate the depression of 1 of 12 Function Keys

IDAutoFill: NOTES:

1. The Legends shown above are case-sensitive. They MUST be entered exactly as shown.

2. The ability to emulate the depression of any of the Function Keys provides several possibilities: For example, if you wish to enter the Date & Time of the activity, you would place the <F5> legend where you want the information entered. In most cases, the ideal location would be at the beginning of the scanned data.

IDAutoFill SAMPLE STRING:

The string below demonstrates how the program would be created and used to simply create a Mailing Label File:

<HOME><Prefix> <Name><CR><Address><CR><City>, <State> <ZIP><CR><CR><CR>

If a state driver's license was scanned using this string the output would be:

Mr. Driver's License Name
Address
City, State, ZIP Code

That's all there is too it!

The string began with a HOME to insure the data would be entered beginning at the first field on the screen. A Space was entered after the Prefix before the License Holder's Name. A Comma and a Space was entered after the City to get the proper spacing. Two Spaces was entered after the State to position the Zip Code correctly. Finally, 3 CRs was entered to advance down ready for the next label.

IDAutoFill: SAMPLE SHOWING THE CAPTURE OF ADDITIONAL DATA:

In this example Variable data such as the Date & Time, Sex, License #, Hair Color, etc. is included so the Field Names are displayed and included in the file being created. In order to capture the actual field data these same field Legends are repeated within brackets as discussed earlier. This file is ideally suited to generate a complete record of the license scanned.

<HOME>Time & Date <F5><Name><CR><Address><CR><City> <State>, <ZIP><CR>Sex <Sex> License # <License><TAB>Hair Color <Hair><CR> Eye Color <Eyes><TAB> Weight <Weight><TAB>Height <Height><TAB>Age <Age><CR><CR><CR>

After the data shown below is displayed, additional data can be manually entered and/or edited. Upon completion of the display data, the operator would then depress the ENTER Key.

IDAutoFill: NOTES: cont.

1. You MUST Close the Resident PC AVD Program prior to setting up the IDAutoFill.saf Program string. To perform this function you will Open a New File in Notepad. This is a one-time event. Once you have completed this task, unless you make changes to the Formatted Screen layout, you then click on Save As... Save the file in the C:/Scan - Folder as IDAutoFill.saf. Next re-open the PC Age Verifier Desktop Windows® Program.

2. Next, click on "Configuration", and click on the box labeled "IDAutoFill to Keyboard", and OK. This sets up the program to perform the IDAutoFill function of sending the scanned data to the formatted screen. After making any additions, or modifications to the screen data, simply ENTER the data. Should you wish to perform the Age Verification Functions instead of the IDAutoFill Functions, you would click on the box labeled "Flash to Display" rather than the "IDAutoFill to Keyboard" box. As mentioned earlier, the upcoming enhanced program will allow you to check both boxes, and perform both functions. This PC Age Verifier Desktop Windows® Program User's Guide explains, in detail, how various Files can be created for other functions.

3. Once you have performed the two steps above the rest is easy! The "PC AVD Program" is a resident program, and is 'ready to use'. All you have to do is read a driver's license. The program will take care of the rest.

4. As a reminder, any field identified using the Legends that are missing or cannot be found are skipped. Non-essential fields are not treated as mandatory for a 'good' card read.

End of IDAutoFill section…

PC DISPLAY FUNCTIONAL SPECIFICATIONS:

(RE: Age Verification, not IDAutoFill , and relevant for AD111.exe & AD112.exe revisions.)

1. When a driver's license is read, the PC's display shows the Age and Date of Birth.
2. The appropriate color background is illuminated as follows:

   - A Green background is used if the age is 21 years old or older.
   - A Yellow background is used if the age is 18 through 20 years old.
   - A Red is used if the cardholder is 17 or younger.
   - If desired, the age threshold controlling the color background can be changed in the Configuration Setup. This is covered in detail in the Configuration section of this Guide.
3. If the driver's license has expired, the display will show the word 'EXPIRED'. In addition, the Age/Birth Date will be displayed after the EXPIRED notification.
4. In the event the word 'ERROR' is displayed, it could be caused by attempting to read a damaged card, or not swiping a magnetic stripe encoded card in a fast smooth motion. We suggest you retry a maximum of three swipes. If the card still fails to read, perform a 'close' visual check of the license. If you swipe a magnetic stripe encoded driver's license and nothing is displayed this indicates the card is not encoded at all.
5. When a card has been read and processed, the program stores the entire record in a Database.txt file. This file can be processed at a later time to create a complete data Log File, an edited Data File, a special CSV File or all of these files. This is discussed later in Guide.
6. After the program has read and processed a card, the PC will revert to its original status prior to the card being read.







INSTALLING THE AGE VERIFIER PC PROGRAM

- If you receive the program via E-mail attachment, select Open, or Save, scan for viruses then open.
- If you receive the program on a CD-ROM, perform the following steps. You may use a different Folder Name, or store the files, etc. in any location of your choosing. However, we suggest the following method for program installation.
- NOTE: As a matter of general practice you should scan all email attachments and CD-ROMs for possible viruses before opening them.
- Microsoft® VISTA® Operating System Users may have to Install and Open as 'Administrator'.

1. Click Start
2. Click Run
3. Open X (X = CD drive name):\AVDESK
   NOTE: Program version may change to reflect new releases.
4. Click OK
5. Click 'I Agree' (to terms) to continue installation, or click cancel to stop.
6. Click Install
7. Click OK to place program in C:\Scan, or click cancel to stop installation.
8. Create – Yes

As a part of the Install operation, the program will create shortcuts in the Startup folder, Desktop, and Program menu.

*****NOTE: AD113b(904).exe works with all our PC Age Verifier Models, except our *Model 2000S-800. We have a special version for this model, with the same functionality as AD113b(904).exe; except it reads the 'front' of a Driver's License, not the PDF-417 barcode or Magnetic Stripe.**
*****NOTE: When using PCAV Program Revision AD113b(904).exe for IDAutoFill function, you create the IDAutoFill.saf, and then place it in the C:\Scan Folder also.**
*****NOTE: You must place all the files contained in the ID Scan Files Folder – in the C:Scan Folder, in order for this AD113b(904).exe revision to function.**
*Contact us for more information on our Model 2000S-800.

IMPORTANT! PCAV PURCHASE AND REGISTRATION

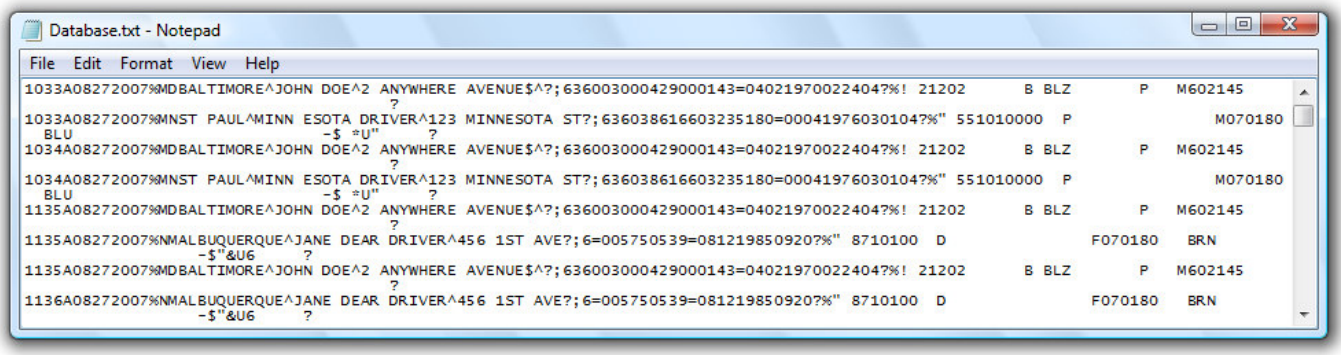
The PCAV Program discussed in this User's Guide is normally not sold by Scan Technology, Inc. Instead, it is provided Free of Charge to End-Users that purchase the Magnetic Stripe and/or Bar Code Scanners we offer for reading and processing driver's licenses and ID cards as described in this document. However, if you have already purchased 3-track magnetic stripe readers and/or scanners capable of reading PDF-417 bar code labels, and these products can be attached to a PC Serial Port or a USB port, we do offer the program as a separate item. When you first receive the PC program from us, it will come with a numeric code that allows you to use it for a period of 30 days. Before the 30th day has elapsed, it will be necessary for you to contact us, purchase the software, give us the temporary numeric code, and we will register the program, making it "permanent". You will type registration code we provide you into the About/Register block. If this call is not made by you, the program will "cease to function" on the 31st day after the initial Installation Date. This, quite frankly, is done to prevent unauthorized copying of the program for use on other PCs. Should an attempt to copy the newly "coded" program and installed it on another PC, it will fail.

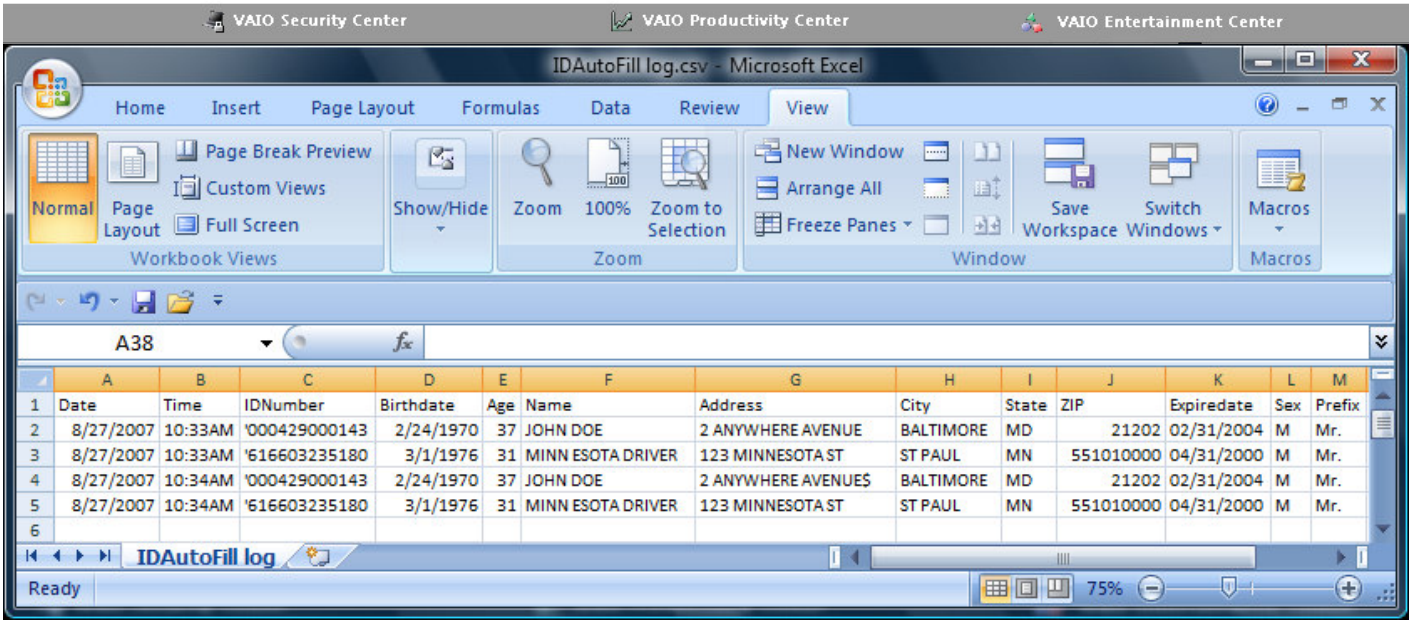
PLEASE, DON'T FORGET TO CALL!

FILE DESCRIPTIONS

This PC program automatically sets up a Database.txt file that will ultimately contain all data read from driver's licenses and ID cards. It also allows you, at a time of your choosing to create three additional files. The mandatory file, Database.txt, and the other three files contain the following information: (Screen shots of these files follow the information below.)

1. Database.txt: This file will contain all data scanned on magnetic stripe and PDF-417 encoded driver's licenses and ID cards. Duplicates are stored, as in the case where a customer has re-entered your establishment. Elapsed time is not a factor. Whether the customer exited and re-entered after 2 minutes, or re-entered after 2 months, it will be stored.
2. CSV DATA FILE: This file will contain all useful data scanned and can be used to edit and manipulate data for different purposes. This file is created when you select WRITE to the CSV DATA FILE to store ALL data read. This file is created as an Excel File. The program detects duplicate records and replaces the old record with the most current record.
3. CSV LOG FILE: Like the DATA File, this file contains all data scanned with the following exception: Duplicate records that indicate the customer has re-entered your establishment, are not replaced. This duplicate information can be used to identify "frequent" customers and utilize this information to generate VIP cards, special promotional activities, etc. This file is created when you select WRITE to the CSV LOG FILE to store the complete LOG data read. This file is created as an Excel File.
4. COMMA SEPARATED VALUE FILE: If you prefer working the Data file and/or the Log file in a manner other than using Excel, you can convert them to a CSV (Comma Separated Values) file. To do so, you can Open NotePad and then click Open. Select Desktop, if necessary, change Files of Type to All Files (*.*). Click on the appropriate Shortcut File Name (CSV DATA FILE or CSV LOG FILE and Open. You can now edit, manipulate, and process the data to meet your specific requirements.
5. In some cases you may notice the newly created CSV File has a string of commas in different locations. This occurs when a particular driver's license or ID card has missing fields. The commas are to indicate the locations.
6. In a few instances the CSV File, as well as all the other files, will show only partial data. Some states have a law against capturing data encoded on the driver's license that is personal in nature. This would include: the cardholder's Address, Sex, etc. The CSV Data Format is shown on the following page.


Database.txt - Notepad
File Edit Format View Help
1033A08272007%MDBALTIMORE^JOHN DOE^2 ANYWHERE AVENUE$^?;6360300042900143=04021970022404?%! 21202 B BLZ P M602145
?
1033A08272007%MNST PAUL^MINN ESOTA DRIVER^123 MINNESOTA ST?;6360386166032351 80=00041976030104?%" 551010000 P M070180
BLU -$ *U" ?
1034A08272007%MDBALTIMORE^JOHN DOE^2 ANYWHERE AVENUE$^?;6360300042900143=04021970022404?%! 21202 B BLZ P M602145
?
1034A08272007%MNST PAUL^MINN ESOTA DRIVER^123 MINNESOTA ST?;6360386166032351 80=00041976030104?%" 551010000 P M070180
BLU -$ *U" ?
1135A08272007%MDBALTIMORE^JOHN DOE^2 ANYWHERE AVENUE$^?;6360300042900143=04021970022404?%! 21202 B BLZ P M602145
?
1135A08272007%NMALBUQUERQUE^JANE DEAR DRIVER^456 1ST AVE?;6=005750539=081219850920?%" 8710100 D F070180 BRN
-$"&U6 ?
1135A08272007%MDBALTIMORE^JOHN DOE^2 ANYWHERE AVENUE$^?;6360300042900143=04021970022404?%! 21202 B BLZ P M602145
?
1136A08272007%NMALBUQUERQUE^JANE DEAR DRIVER^456 1ST AVE?;6=005750539=081219850920?%" 8710100 D F070180 BRN
-$"&U6 ?


VAIO Security Center
VAIO Productivity Center
VAIO Entertainment Center
IDAutoFill log.csv - Microsoft Excel
Home Insert Page Layout Formulas Data Review View
Normal Page Layout Page Break Preview Custom Views Full Screen
Workbook Views
Show/Hide
Zoom 100% Zoom to Selection
Zoom
New Window Arrange All Freeze Panes Save Workspace Switch Windows
Window
Macros
Macros
A38
A B C D E F G H I J K L M
1 Date Time IDNumber Birthdate Age Name Address City State ZIP Expiredate Sex Prefix
2 8/27/2007 10:33AM '000429000143 2/24/1970 37 JOHN DOE 2 ANYWHERE AVENUE BALTIMORE MD 21202 02/31/2004 M Mr.
3 8/27/2007 10:33AM '616603235180 3/1/1976 31 MINN ESOTA DRIVER 123 MINNESOTA ST ST PAUL MN 551010000 04/31/2000 M Mr.
4 8/27/2007 10:34AM '000429000143 2/24/1970 37 JOHN DOE 2 ANYWHERE AVENUE$ BALTIMORE MD 21202 02/31/2004 M Mr.
5 8/27/2007 10:34AM '616603235180 3/1/1976 31 MINN ESOTA DRIVER 123 MINNESOTA ST ST PAUL MN 551010000 04/31/2000 M Mr.
6
IDAutoFill log
Ready
75%

CSV DATA (Comma Separated Values) File format

Excel, NotePad, and many other programs that use simple database files may use the CSV DATA file. All the data fields are separated by commas, and are readable and editable using word processor programs.

The first line in the file sets the columns for the fields and is:

Date, Time, ID Number, Birth Date, Age, Name, Address, City, State, ZIP Code, Expiration Date, Sex, and Title (Mr. or Ms.)

Date: The Date the card was read, in the form MM/DD/YYYY

Time: The Time the card was read in the form HH:MM followed by A for AM, P for PM, or M (Military Time).

ID Number: Driver's License Number

Birth date: Shown in the form MM/DD/YYYY

Age: Calculated age from Birth date to the date shown in the Age Verifier.

Name: First, Middle and Last Name as found on the card

Address: One line address field

City: City name encoded on driver's license

State: Two letters abbreviation of the state

ZIP: Nine-digit field. In most cases the last 4 digits are spaces. *IDAutoFill.saf can be Configured to send just the main 5, or 5 and last four.

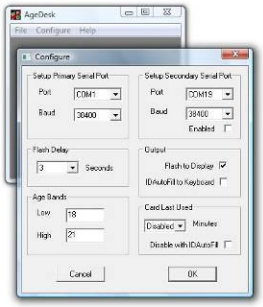
Expiration Date: Shown in the form MM/DD/YYYY

SEX: M = Male, F = Female

TITLE: Mr. = Male, Ms. = Female
Note: If the Sex Field cannot be found on the license, the TITLE will default to Mr.

SETTING UP AND CONFIGURING THE "PCAV" PROGRAM

Double-click on the PCAV – 'Age Verifier Desk - Icon' and click on Configure. A panel will appear with several sections. You can "Setup the Primary and Secondary Serial Ports" to match your device(s) Com Port installation location(s). If you do setup the Secondary Port you must also select (check) the 'Enable' under Secondary Serial Port. Flash Delay is the amount of time the data stays up on screen. "Output" selections are Flash to Display – which is Age Verification, or *IDAutoFill to Keyboard. *Note: You must place the IDAutoFill.saf file in the c:\Scan folder, if you want to automatically fill in an application screen with vital DL data. You can also click on the PCAV icon located on task bar, after the IDAutoFill function is complete, and the Age Verification Window will appear, showing cardholder's age and birth date. "Age Bands" selections determine the program's display window background color. By default they are set to Low: 18, High: 21. If a cardholder is under the 'Low' setting the window will be RED, between Low and High -YELLOW, and GREEN when at or above. Card Last Used selection when set to a specific time between 15 to 1400 minutes (24 hrs). When a card is scanned again within set times the program displays cardholder's AGE, DOB e.g. 07/31/1957, and 'CARD USED xxxx MIN AGO! on a red window . Card Last Used feature disabled by default. More details follow:







NOTE: SETTING UP SERIAL PORT AND BAUD RATE PERTAINS TO SERIAL AND USB-SERIAL INTERFACE SCANNERS AND READERS "ONLY", except 2000S-800. FOLLOW THE INSTRUCTIONS BELOW. INSTRUCTIONS FOR SETTING UP USB-SERIAL DEVICES, REQUIRE THE LOADING OF A DRIVER, AND ARE DESCRIBED BELOW, AFTER 'BAUD RATE'. YOU CAN CALL US FOR HELP.

SET UP SERIAL COM PORT 1-19: For a RS232 Interface device, you will normally select COM1 as the port, if you only have one serial device in use. If this doesn't work, you will have to choose from the other COM ports available with our program (1-19). Enable and Select Secondary Port and Baud rate when using two PC Models. Baud rates of each port should match.

BAUD RATE: Select 38,400 to match the reader input devices we provide, which are pre-configured to transmit at that speed.

SET UP USB-SERIAL DEVICES:

We offer three Models that utilize their own USB-RS232 EMULATION DRIVER:
2000B/I-D432: Driver on the *Scanner's* CD-R → included with scanner (in its box).
Please read the Datalogic 2000B/I-D432 USB-COM driver readme file.
2000M3/I or 4000M-PCAV: Install USBVCOM.exe, Add Com 3, 4 or higher only.
Match location in PCAV.exe Configuration of Primary or Secondary Com Port.

2000E/5 & 200E/6: Windows® XP can automatically find driver, if you are connected to the internet. You can also load it manually from the CD-R: 2000E PC SLOT AV. If you need a 2000E Driver for Win9x, you will need to contact us for the driver and help.
We don't plan on supporting Win9x after June 2006, if Microsoft®, indeed, ceases supporting Win9x. However, the program will function, if your PC is working properly. The Com Port the 2000B/I-Models & 2000E Models drivers install in can be located by going to: Start, Control Panel (may have to got to 'Settings' first), System, Hardware, Device Manger, and expand "Ports: Look for your Serial Com Port devices' location here.
***2000S-800** works with another version of our software, and differs in the way it communicates.
*Contact us for more information on our Model 2000S-800.

Note: The 2000B/I-D432 & 2000E com port locations show up in 'PORTS'.
Note: For the 2000M3/I or 4000M-PCAV YOU MUST ADD A COM PORT TO THE USBVCOM DRIVER. WE SUGGEST COM3, COM4 (TYPE AS I DID WITH NO SPACES), or higher (NOT COM 1 OR 2). Next you will also need to open PCAV, and change the Com Port to match. For all of these models, the Baud Rate can stay at 38,400. Please call us if you need help.

FLASH DELAY: When a driver's license is read, the display will normally show the cardholder's birthdate and age. In other cases, it might display EXPIRED or ERROR. You may select the number of seconds you wish to display these items. We recommend 4 seconds.

OUTPUT: See opening paragraph on previous page 11 of this Guide.
Note: Review IDAutoFill section of this Guide.

AGE BANDS: Normally, you would select 18 as the Low Age (No Sale of tobacco or alcoholic beverages) and 21 as the High Age (Legal sale of tobacco and alcoholic beverages. As stated earlier in this Guide, under 18 would have a red background, over 18 but under 21 would have a yellow background, and over 21 would have a green background. In some instances, you may want to change these age bands to comply with the laws regarding the sale of Books, Video Games, DVDs, CDs, VHS Tapes, Admission to Theatres, Tattoos, Piercings, etc.

The first time you read a license and the data is displayed on the PC screen, the data and background color may be smaller than you prefer. If you want to enlarge the display viewing area, simply move the mouse to the lower right corner, left-click and hold down to 'drag' the display to the size you want. Once you have done this, the program will store this Configured size for subsequent reads.

CARD LAST USED: See opening paragraph on previous page 11 of this Guide.
*Note: This feature can help you catch those whom may pass their ID off to an underage.
This feature is also useful in Pharmacies alerty Pharmacists that and individual may be trying to purchase more of a controlled drug than allowed in a given day, such as Pseudoephedrine.

Once selections are made click "OK". You can "Cancel" and start configuration again.

PROCESSING DATA STORED IN THE DATABASE.TXT FILE

As stated earlier, all card data that read and transmitted to the PC is stored in the Database.txt file. You can now transfer this data to the CSV LOG File, the CSV DATA File, or both. The first time you do this, follow the following steps:

FIRST TIME USE AFTER ENTERING DATA IN THE DATABASE.txt FILE

1. Double-click on the AgeDesk Icon.
2. Click on WRITE
3. Enter the File Name: Either CSV DATA FILE or CSV LOG FILE depending upon whether you wish to store edited DATA (removing duplicates) are storing complete (duplicates retained) LOG data.
4. Click the Save button.

You could now go to My Computer, c:\Scan - Folder and right click on whichever File icon you created at step 3 above for the first time. Drag the icon to the Desktop Screen to create a shortcut. In the future, when you wish to access the file, you simply click on it. This same operation can be performed to drag the Database.txt icon, and, in the event you create the file CSV DATA FILE and/or the CSV LOG FILE, you could also drag their icons the Desktop screen as well as an alternative to creating all of these various icons, you could simply create a shortcut to the Scan Folder, and select the desired file from it.

PRODUCTS AVAILABLE TO READ MAGNETIC STRIPE AND/OR PDF-417 BAR, CODE ENCODED DRIVER'S LICENSES, AND THE 'TEXT' ON FRONT OF ID

We offer a wide variety of devices to choose from. Depending upon your business location (US State / Canadian Province), and where your customers are coming from (local residents or those with IDs from other locations) you can select the proper device, or devices, to handle your specific requirements. You may need our Model 2000S-800, which reads the human-readable text on the front of any State's Licenses; because some States don't encode the Name,
and/or the Address. These States include AL, GA, IL or MI. You may require a Magnetic Stripe reader, a PDF-417 Bar Code scanner, or both. This decision will have been already made by the time you are ready to use the chosen product(s). You can study our "SELECTING AN AGE VERIFIER.pdf", and "STATE CHART.pdf" to help you choose. The purpose of this User's Guide is to help you use the product you have selected properly. We will provide complete instructions on how to install them with all required interface cables and power adapters when required. You can also go to our web site and read the detailed specifications on all product choices. You can download PDF Files from our website. All orders include a
a CD-R containing our this manual, our PC Age Verifier Windows Program, Spec Sheets, Drivers, Logo Signs, and a document that instructs your employees how to detect fraudulent IDs. The Logo Signs can be posted at entrance. Post Fraud ID document for employee review.

USING THE MAGNETIC STRIPE READER MODEL 4000M-AVAF

- A magnetic stripe encoded card is read by inserting the card in the slot with the stripe down and facing the small Age Verifier logo or LED (Green Light). Insert the card at either end of the slot and, keeping the card on the bottom of the track, swipe it in a smooth steady motion all the way through the slot. Swiping faster is better than slower.
- Upon a successful read of a driver's license or properly formatted state ID card the cardholder's birth date and age will be displayed. The word 'EXPIRED' will also be displayed if appropriate.
- If the word ERROR appears you should perform up to 3 additional attempts to successfully read the driver's license. If you continue having the ERROR appear, there is something wrong with the card and you will have to make a visual check to verify the cardholder's age.
- IF, after swiping a card, you hear no beep, the readers LED doesn't change, and you do not have ANYTHING displayed (data or error message), the card does not have any data encoded on the stripe. Some states have made a mistake, had an encoding malfunction, not encoded all of their driver's licenses, or the card came in contact with a magnetic field, such as a speaker and the data was erased. See the State Chart & Notes Section of this user's guide for states that may have such problems. The chart and Notes also reflect the type of encoding they have employed.

USING PDF-417 BARCODE IMAGER, INCL COMBO BARCODE/MAGSTRIPE MODEL 2000E-6

1. Model 2000B/I-D432: This hand-held 1D/PDF-417 Barcode Imager reads bar code labels from 4-7 inches away, depending upon the size and density of the label. Experiment with your labels to find the optimum distance. The HANDS-FREE STAND allows the scanner to trun on automatically, when you place a label under its view. Or, you can remove it from the stand, and squeeze the trigger to read. The Stand allows your hands to be free from holding scanner, and enables a more pleasant interaction with your customer. The key is for the scanner and the driver's license to be as motionless as possible. Like a camera, if you or the object moves too much you will get a "blurry picture", or in this case 'no read'. This is a great device for reading UPC Product codes, other 1D barcodes. This data is sent to your POS Application for normal processing. *NOTE: We prefer this model; however, we do offer one other Model, our 2000B/I-1690 Imager, that is manufactured by Metrologic; and functions similar to the Datalogic D432, and similarly priced. Some of our customers already have this model. It functions with our PCAV / IDAutoFill Software also. Call for info.

USING PDF-417 BARCODE IMAGERS, INCL COMBO BARCODE/MAGSTRIPE MODEL 2000E-6 cont.

2. Model 2000E-5: This unit has rubber feet on the bottom of base, and normally used on the countertop. However, it could be held in your hand if you wish; even though it is tethered to a PC USB Port. To read a driver's license with a PDF-417 bar code label, simply insert it in the slot and immediately remove it. There is no waiting required. "Insert card in slot, then quickly remove it". Note: A 'large' PDF-417 Barcode such as NC or KY may take a bit longer to read; as there is a large amount of data encoded. Still, a quicker withdrawal is better; just not too fast. Practice…

3. Model 2000E-6: This unit is the same as the Model 2000E-5 shown above except it also has a magnetic stripe slot for reading magnetic stripe – encoded driver's licenses. This is referred to as a Combo Unit. In the case of magnetic stripe encoded driver's licenses, simply 'swipe' the card through its slot in either direction with a smooth steady option. If the ID has both, PDF-417 Barcode and Magstripe, we recommend you read the barcode for greater security. Or, read both to compare results! Note: Some State DLs/IDs that do encode both formats don't always include the same data. For example, the magstripe encoding may include the zip code, but the barcode does not.

Besides the 2000B/I-D432 & 2000B/I-1690 (mentioned in 1. above) we offer other Model PDF-417 POS/Driver's License Imagers, that you may already have , and that is the HHP Model 4600R IMAGER (2000B/I-4600r). The model reads about as well as the 2000B/-1690 USB-SERIAL Imager.
If you want RS232 interface, we can provide. We also offer a RS232 to USB Adaptor- our Part# 26886. We highly-recommend either the HHP 4600r Metrologic Focus 1690, or the Datalogic D432 Imager – part of our Model 2000B/I-xxxx; for reading product codes and IDs. Our extensive testing results convinced us that these three imager are indeed superior to ALL others on the market!

USING THE 2000S-800 IMAGE SCANNER

Model 2000S-800: This unit scans the "human-readable data" from the "front" of a Driver's License. We offer another version of our PCAV Software for this model. Also, all the files in the ID Scan Files – folder must be placed in c:\Scan Folder. The 2000S-800, when used with AD113b.exe performs Age Verification, or IDAutoFill functions. You configure for either (not both)*Note: When the software is configured for IDAutoFill, you can see the person's age verification information, if you click on the icon on the task bar, after you scan. It just doesn't perform this automatically. This model may be appropriate for your application, because, some States do not encode the name, complete address, or zip code in the barcode, or magstripe. And, some that do cannot be decrypted. (See our State Chart Notes.). The State of GA has an encrypted PDF-417 barcode that cannot be de-encrypted (read) at this time. You can get all the information from these States using this model. A Com port does not have to be set for this scanner. Our software will enable this scanner, and two of our other PC Models to function on the same PC.

Note: The 2000S-800 Scanner also has the ability (with a different software package) to read the front and back of IDs, including the photo. This data can be captured, compared, and saved. Please contact us for more information, if you are interested in these functions.

The STATE CHART - NOTES below reflects the states where we offer truly effective solutions.
In addition, our notes explain potential 'problems' and/or limitations certain IDs or Driver's Licenses pose.

LOCATION	MAGNETIC STRIPE	PDF-417 BAR CODE	SEE NOTE
ALABAMA	M	B	NOTE 8
ALASKA		B	NOTE 3
ARIZONA	M	B	
ARKANSAS	M	B	
CALIFORNIA	M		
COLORADO	M		
CONNECTICUT		B	
DELAWARE		B	
DISTRICT OF COLUMBIA		B	
FLORIDA	M	B	NOTE 4
GEORGIA	--	B	NOTE 6
HAWAII		B	
IDAHO		B	
ILLINOIS		B	NOTE 2
INDIANA		B	
IOWA	M	B	
KANSAS	M		
KENTUCKY		B	
LOUISIANA	M	B	
MAINE		B	
MARYLAND	M	B	
MASSACHUSETTS	M	B	
MICHIGAN	M		NOTE 1
MINNESOTA	M	B	NOTE 7
MISSISSIPPI	M	B	
MISSOURI	M	B	NOTE 5
MONTANA	M	B	
NEBRASKA		B	
NEVADA		B	
NEW HAMPSHIRE	M	B	
NEW JERSEY		B	
NEW MEXICO	M		
NEW YORK		B	
NORTH CAROLINA		B	
NORTH DAKOTA		B	
OHIO	M	B	
OKLAHOMA	M		
OREGON		B	
PENNSYLVANIA	M	B	
RHODE ISLAND		B	
SOUTH CAROLINA	M	B	
SOUTH DAKOTA		B	
TENNESSEE		B	
TEXAS	M		
UTAH		B	
VERMONT	M		
VIRGINIA		B	
WASHINGTON STATE		B	
WEST VIRGINIA		B	
WISCONSIN	M	B	
WYOMING		B	
CANADIAN PROVINCES	M		
IMMIGRATION ID CARDS	M	B	

STATE CHART – NOTES → Continued…

1. Michigan encodes their driver's licenses using magnetic stripe. MI encodes a limited amount of data that allows our Age Verifier to perform all necessary validation checks, and create a log to prove patrons IDs were carded. The name and address are not encoded. Our Model 2000S-800 CAN read the front of the ID, perform age verification or IDAutoFill, and capture the name and address. This holds true for all State IDs.
2. Illinois encrypts part of their PDF-417 bar code label. In addition to the basic LOG data, the age verifier also captures and stores the cardholder's Name. No other personal data is stored in the LOG File or the ALL File. To capture the Name, you must configure the Age Verifier's Data Storage to "ALL". If you want to capture the address you must use our Model 2000S-800.
3. Alaska has recently started encoding driver's licenses using the PDF-417 barcode label. It will be a period of time before all licenses will be 'readable'.
4. Florida now issues Driver's Licenses with PDF-417 Barcode & Magnetic Stripe encoding.
5. The magnetic stripe on the Missouri Driver's Licenses is not encoded. The newer Missouri Driver's License has a readable PDF-417 Barcode encoded.
6. Georgia's current Driver's License 'front side' can only be read using our Model 2000S-800.
7. Minnesota's newest DLs PDF-417 Barcode data does not include an Expiration Date, or address. The magstripe does. For more secure age verification, we recommend you scan the barcode. You can scan the DLs magstripe ("If the model has a magstripe reader") to verify, and capture the age, expiration date, name, address, and other useful information. If you need the address, but not age verification, then our Model 2000S-800 may be appropriate.
8. Alabama's DL barcode data encoding includes Name, Street Address, City, and State. The new AL driver's license does not include the zip code. Our 2000S-800 may be appropriate.

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