PASSMOS

User's Manual

2001. 12.

PASSMOS Co., Ltd.

Table of Contents

BEFORE START **5**

COMPONENTS IN THE PACKAGE 5
STRUCTURAL ELEMENTS AND TERMS 5
CONNECTING PASSMOS 6
ATTENTION WHILE OPERATING 6
HARDWARE REQUIREMENTS 6

PRODUCT DESCRIPTION **7**

REMOVABLE DISK DRIVE 7
FINGERPRINT AUTHENTICATION SENSOR 8
USB (UNIVERSAL SERIAL BUS) INTERFACE 8
CONVENIENT AND PORTABLE 8
PASSMOS APPLICATION PROGRAMS 9

SPECIFICATION **10**

PASSMOS DEVICE INSTALLATION **11**

WINDOWS 98 SE, ME 11
WINDOWS 2000, XP 23

PASSMOS APPLICATION INSTALLATION **29**

ON MY SYSTEM 29
ON OTHER SYSTEM 36

RUN PASSMOS **38**

RUN 38
EXIT PASSMOS 40

REGISTER (USER MANAGEMENT) **41**

ADD USER (USER REGISTER) - MASTER USER REGISTER 42
ADD USER (USER REGISTRATION) – GENERAL USER REGISTRATION 42
EDIT USER (USER INFORMATION EDIT) 46
DELETE USER 47

BOOKMARK **49**

ADD BOOKMARK 49
LIST BOOKMARK 50
MAKE FOLDER 50
MOVE 51

RENAME....52
DELETE....53
EXPORT....54
IMPORT....56

ID/PASSWORD....58

ADD ID/PASSWORD....58
LIST ID/PASSWORD....59
VIEW ID/PASSWORD....60
LOGIN WEBSITE....61
DELETE WEBSITE....61
RENAME....62

ADDRESS BOOK....63

ADD ADDRESS....63
FOLDER....65
VIEW/EDIT....67
LIST ADDRESS BOOK....68
SEARCH....69
DELETE....70
EXPORT....72
IMPORT....73
OPTION....74

SAFE BOX....75

IMPORT....75
EXPORT....77
MAKE FOLDER....78
LIST....78
OPEN....79
DELETE....80
RENAME....81
ENCRYPT....82
DECRYPT....83

PROPERTIES....84

EXPORT....84
IMPORT....84
BACKUP....84
RESTORE....85
UPDATE....86

HELP....87

VERSION 87
HELP 87

PASSMOS PROGRAM UNINSTALL 88

ON MY SYSTEM 88
ON OTHER SYSTEM 91

PASSMOS SUPPORT 92

SUPPORT CENTER 92

CUSTOMER SERVICE 92

PASSMOS WEB SITES 92
PASSMOS CUSTOMER SERVICE CENTER 92

PRODUCT WARRANTY 93

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

-. Reorient or relocate the receiving antenna.
-. Increase the separation between the equipment and receiver.
-. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-. Consult the dealer or an experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.

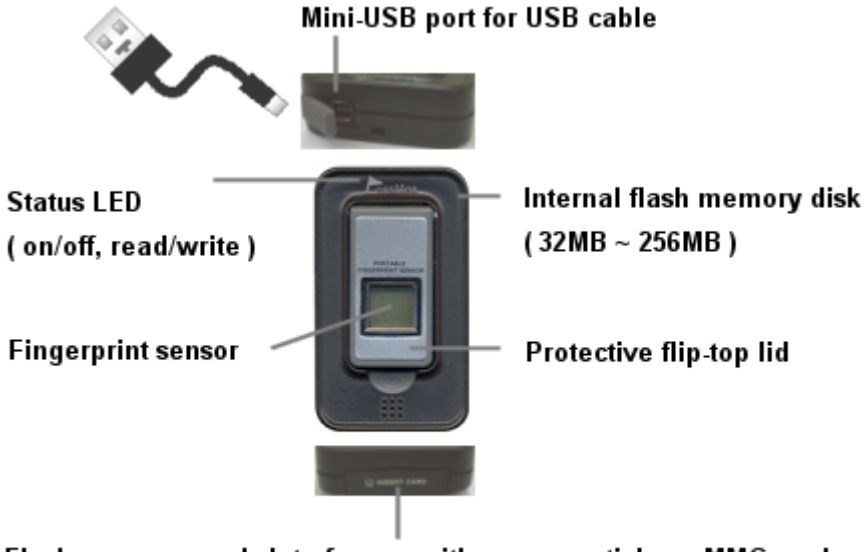
Before Start

Components in the Package

- **PassMos device and 3 connector cables**

- **Installation Mini-CD and Manual**

Structural Elements and Terms



Connecting PassMos

- **Connecting PassMos with USB cable**

  Plug the smaller end of the provided cable into PassMos. Make sure 'DWC' on the cable end is showing top.

- **Connecting USB cable to the system port**

  Plug the larger cable end to the USB port of the system. (Mostly located at the back of the system)

Attention while Operating

- **A critical error will occur if PassMos is disconnected from the system during reading or writing data.**

Hardware Requirements

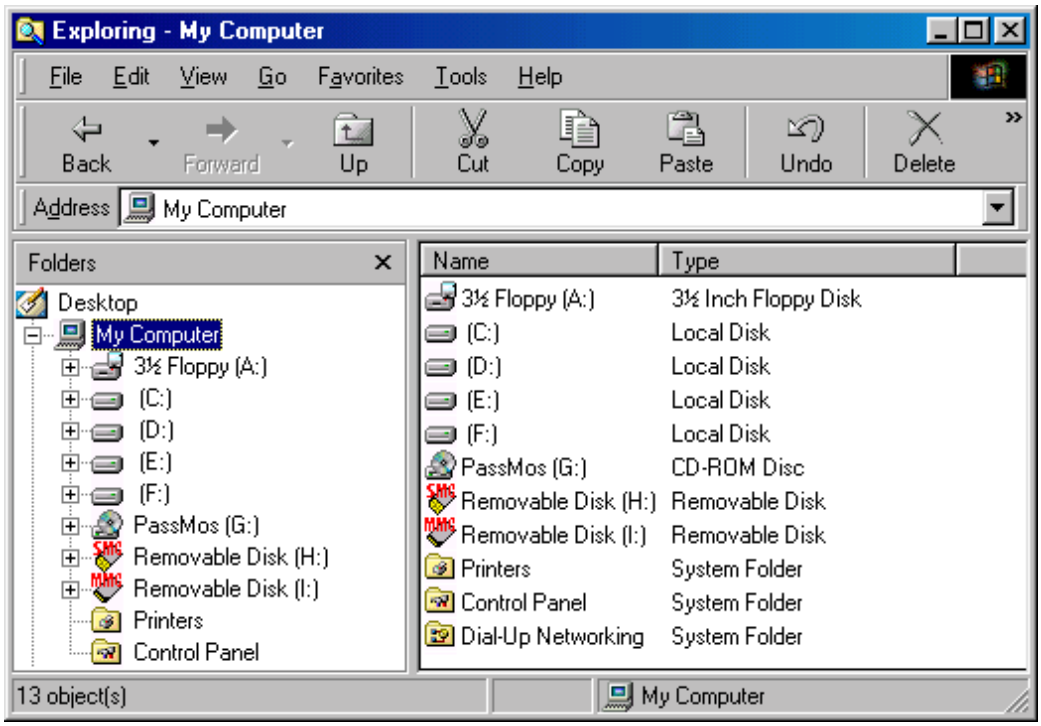
- **Operation System:** **Windows 98 SE, ME, 2000, XP**
- **Supporting Browsers:** **Internet-Explorer 5.0, 5.5, 6.0**

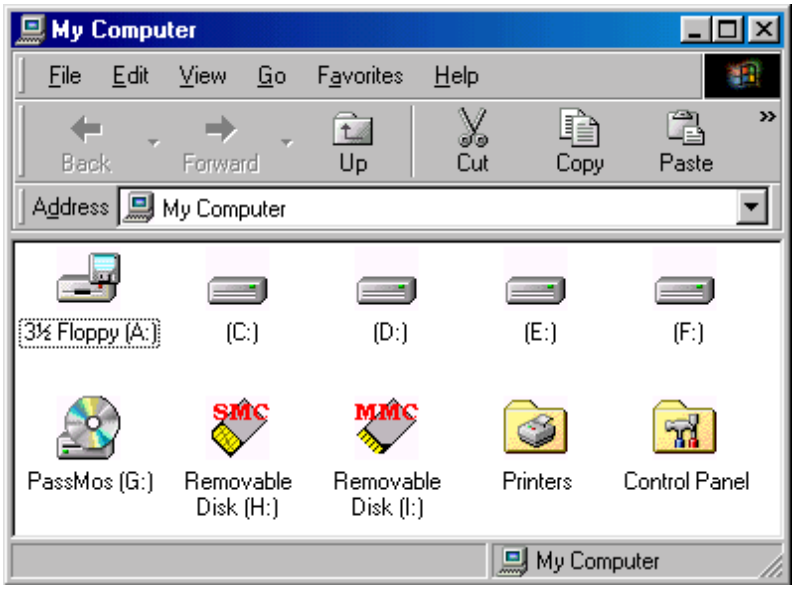
Product Description

Removable Disk Drive

- **PassMos will be recognized as a Removable Disk Drive in windows applications (Windows Explorer, My Computer)**

- **PassMos built in memories.**
  - **Flash RAM: 32MB, 64MB, 128MB, 256MB**





Fingerprint Authentication Sensor

- **Secured Storage Device with built in Fingerprint Authentication Sensor.**
- **Users' fingerprint information will be saved only in PassMos.**

USB (Universal Serial Bus) Interface

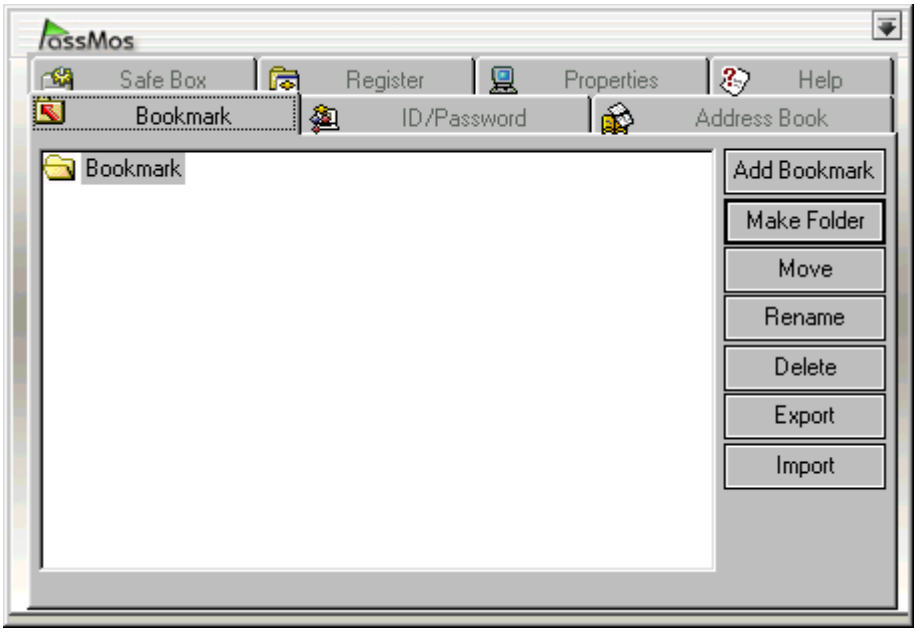
- **Easy and reliable connection through USB Port.**

Convenient and Portable

- **Business card sized installation Mini-CD supplied.**
- **USB Cable selections by cable length.**

PassMos Application Programs

- **Provides many application programs to utilize systems more efficiently.**
- **Additional program installation is not required.**



Authentication	PassMos secures device by fingerprint authentication.
Bookmark	Saves bookmarks by each user and they are compatible with files of Internet Explorer.
ID/Password	Internet member Id's/Passwords are stored and a user log into web sites after fingerprint authentication without typing Id's/Passwords.
Address Book	Contact list organizer. Address Book is compatible with Outlook and Outlook Express files.
Safe Box	Secured storage. User locks and unlocks files/folders with fingerprint. Drag & Drop function supported.
Register	PassMos allows one Master User and three general users. Users' fingerprint information only stored in PassMos. Device users are authorized only after fingerprint authentication.
Properties	User can import and export data between PassMos and systems. All these activities required fingerprint authentication.

Specification

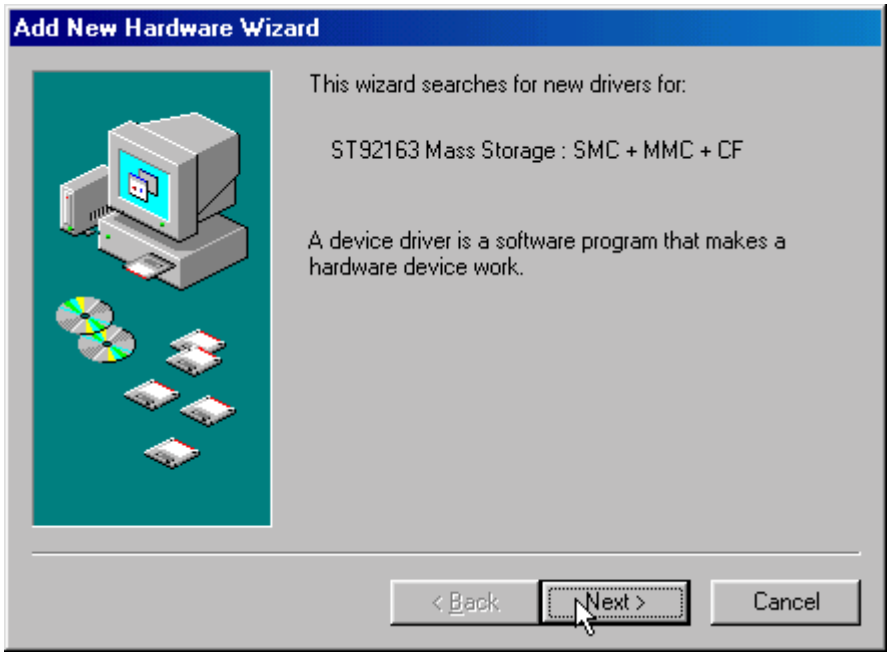
Interface	**Universal Serial Bus (USB) V1.1 compliant**
Supported OS (Currently)	**Windows 98 SE, ME, 2000, XP**
Activation/Read/Write Protection	**Fingerprint authentication and software**
Power Supply	**USB Powered (low-power device) No external power or battery required**
Operating Temperature	**0℃ to 45℃**
Storage Temperature	**-10℃ to 70℃**
Insertion	**5,000 cycles**
Data Retention Time	**10 years**
Safety Compliance	**FCC, UL, CE**
Memory Disk	
Type (Currently)	**NAND flash memory (32, 64, 128, 256MB)**
Read Performance	**> 750KB / second**
Write Performance	**> 350KB / second**
Erase Cycle	**1,000,000 executions**
Fingerprint Authentication	
Rotation Allowed	**15 degrees**
Capture	**13.3 frames/second**
Image Density	**250-1000dpi (selectable)**
Detection Matrix	**96*96 pixels**

PassMos Device Installation

Windows 98 SE, ME

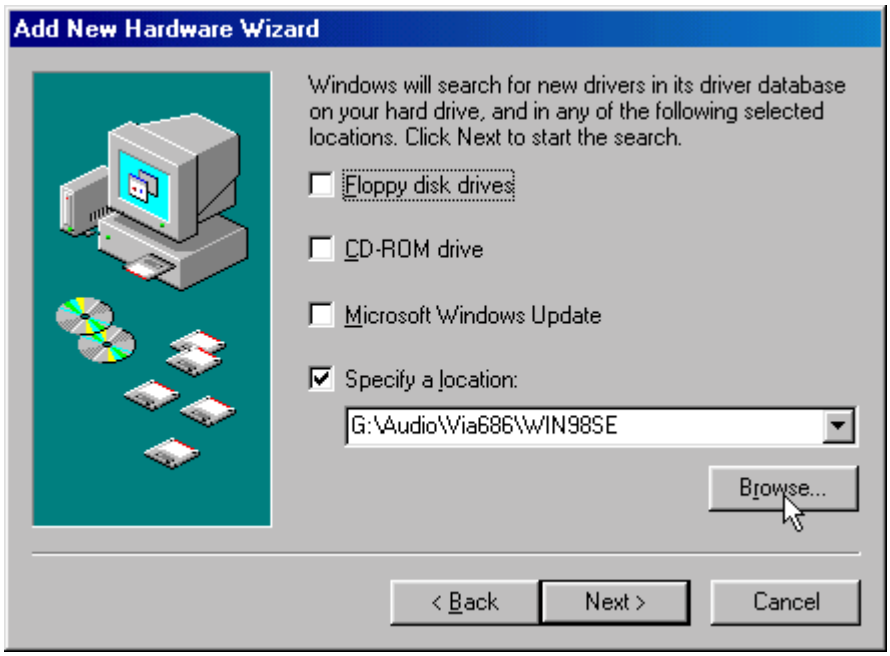
1. Connect PassMos to USB port of a system.

2. The system will recognize a new hardware and start the new hardware search wizard.

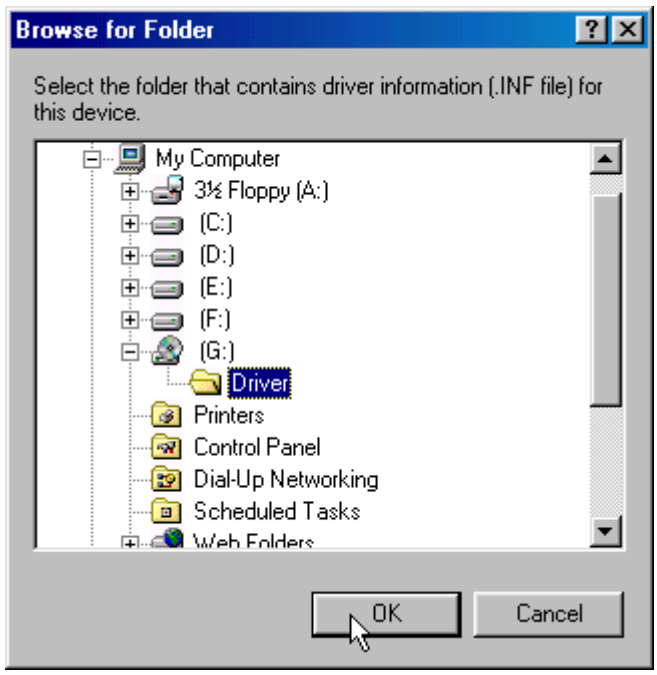


Click 'Next' to continue

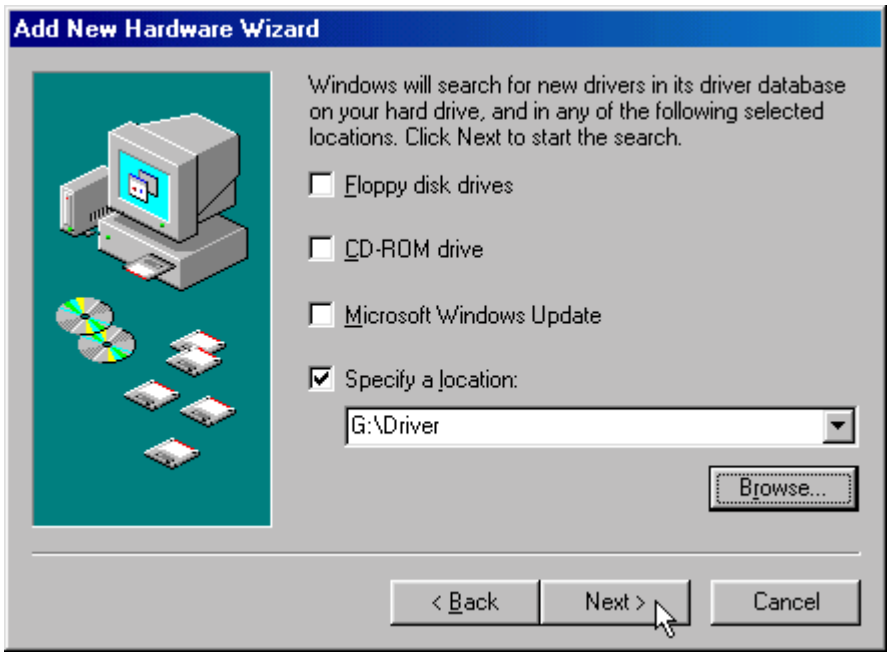
Insert PassMos Installation CD and click 'Browser'.



Select '(CD-ROM)G:\Driver\' and click 'OK'.



Click 'Next'.

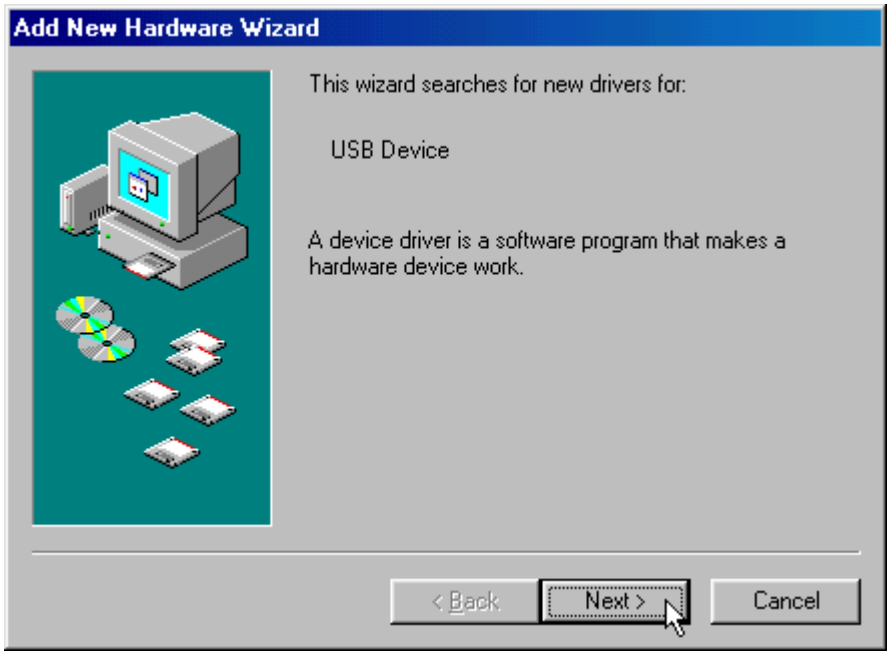


Click 'Next'.

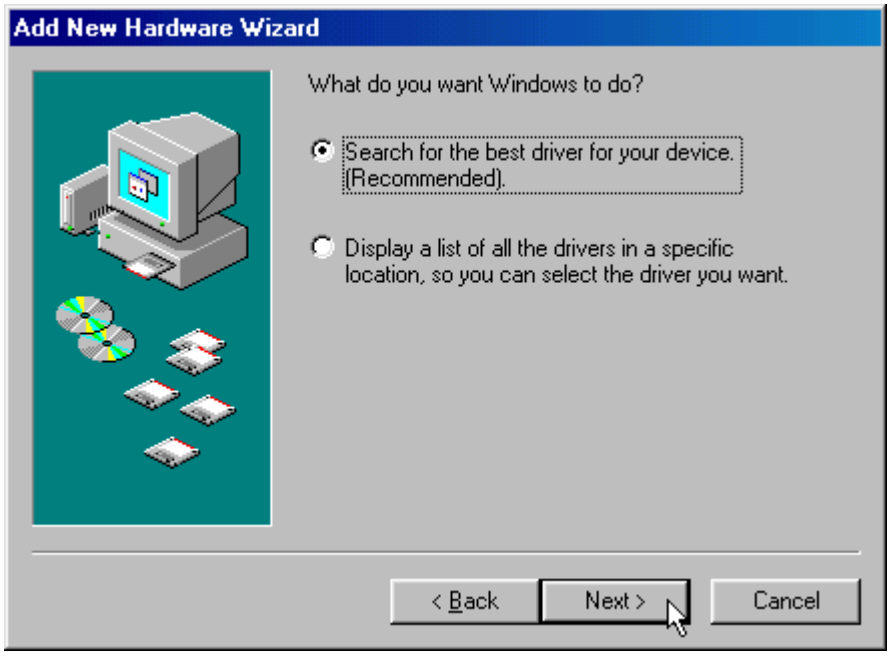
USB Mass Storage Device installation is completed. Click 'Finish'.

3. Fingerprint sensor will be searched.

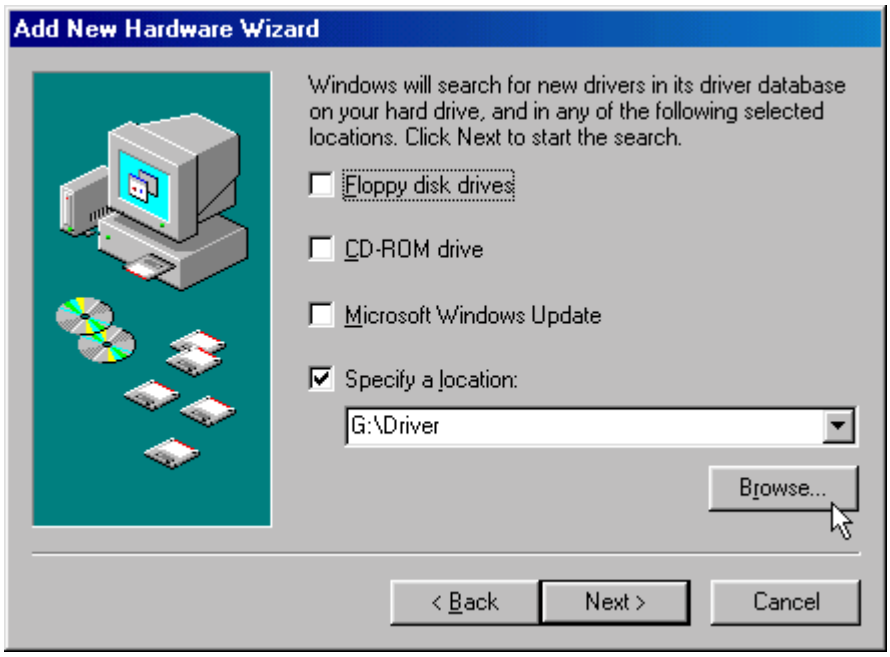
Click 'Next' to begin.



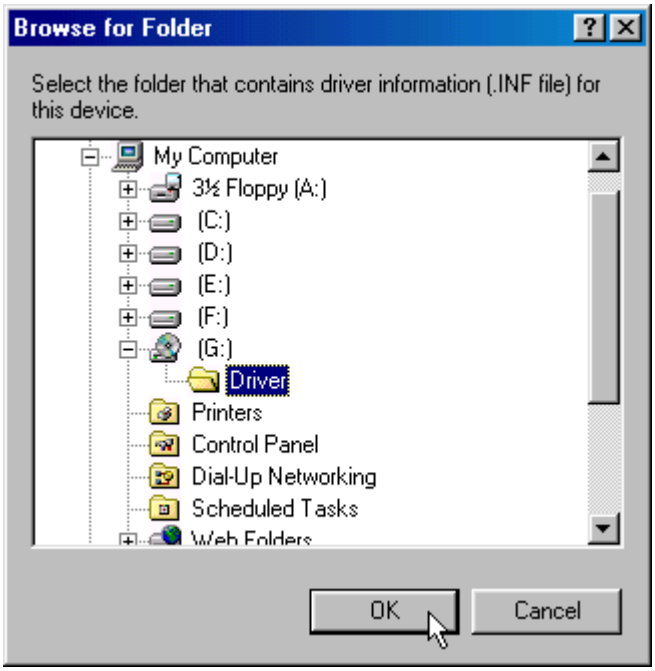
Click 'Next'.



Insert PassMos Installation CD then click 'Browse'.

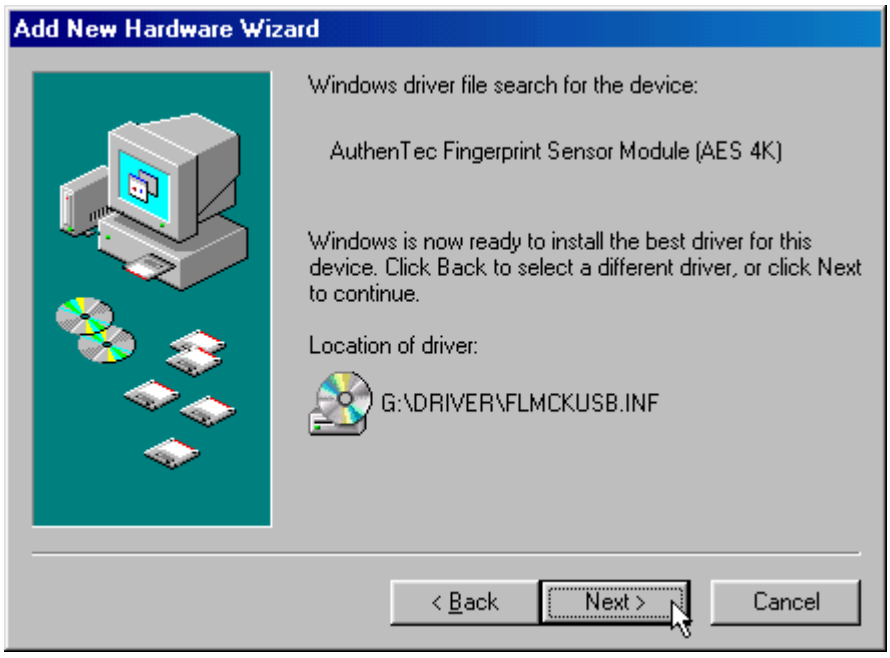


Select '(CD-ROM)G:\Driver\' and click 'OK'.

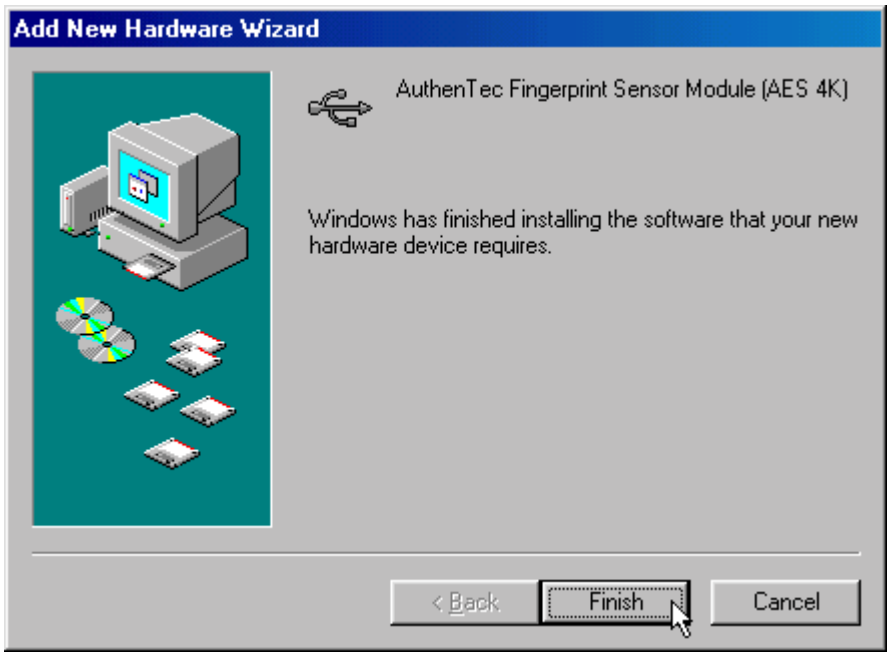


Click 'Next'.

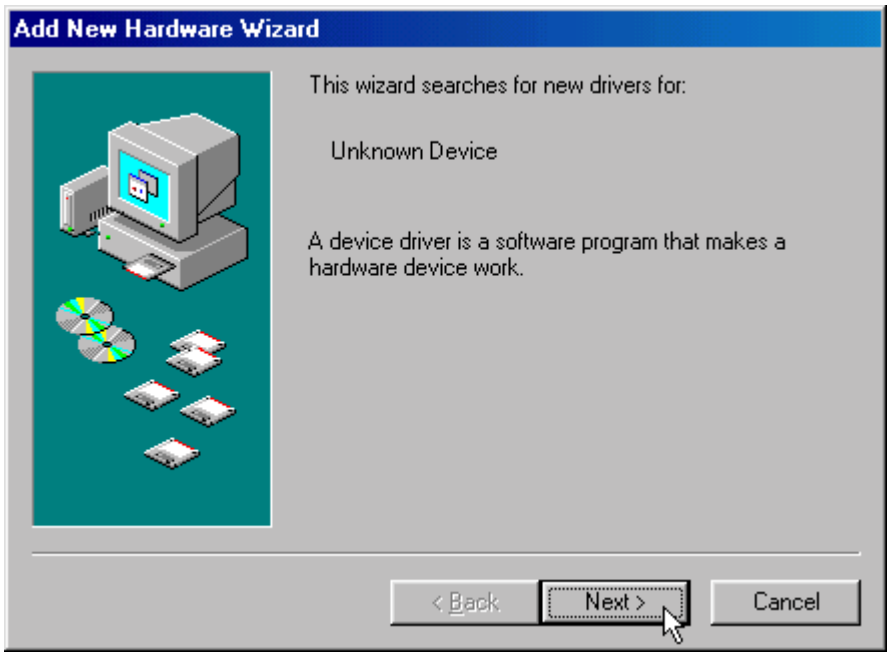
Click 'Next'



The fingerprint sensor device installation is completed. Click 'Finish'.

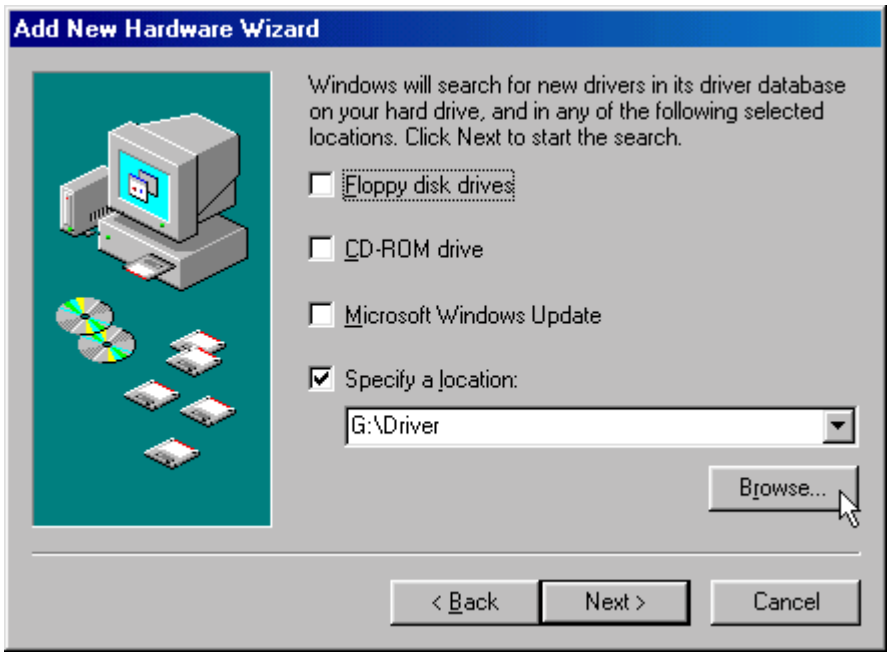


4. USB Disk Controller will be searched. Click 'Next'.

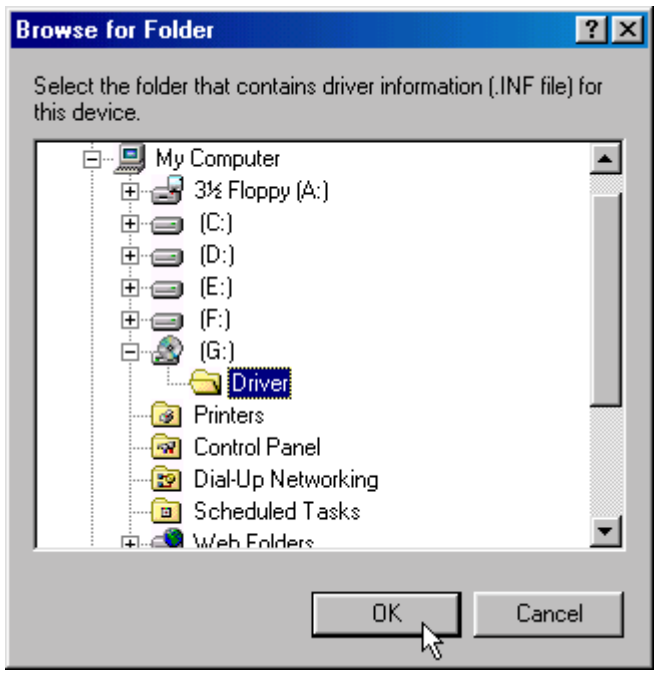


Select 'Search for the best driver for your device' then click 'Next'.

Select 'Specify a location' then click 'Browser'.

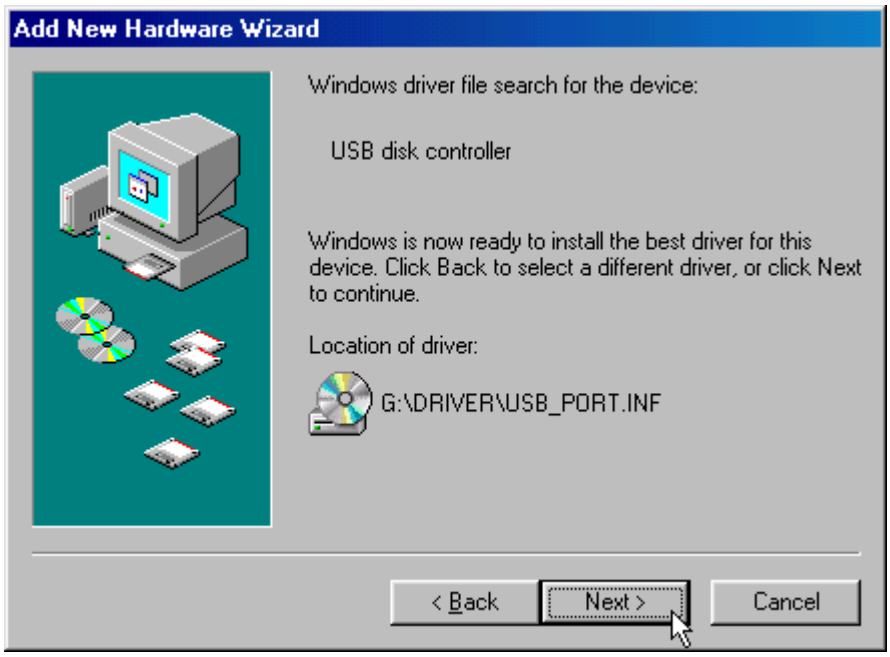


Select '(CD-ROM)G:\Driver' then click 'OK'.



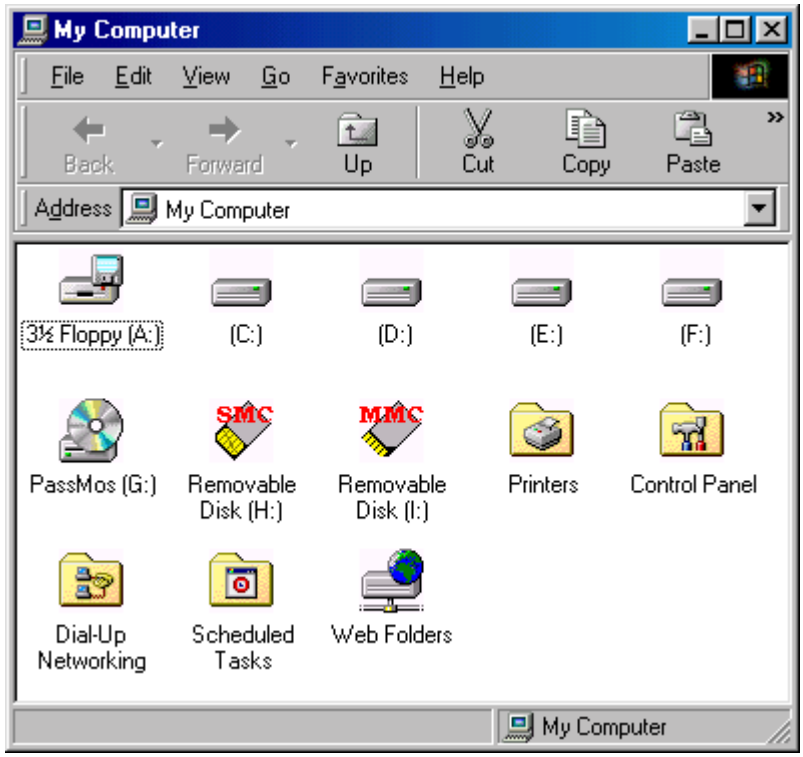
Click 'Next'.

Click 'Next'.



USB disk controller installation is completed. Click 'Finish'.

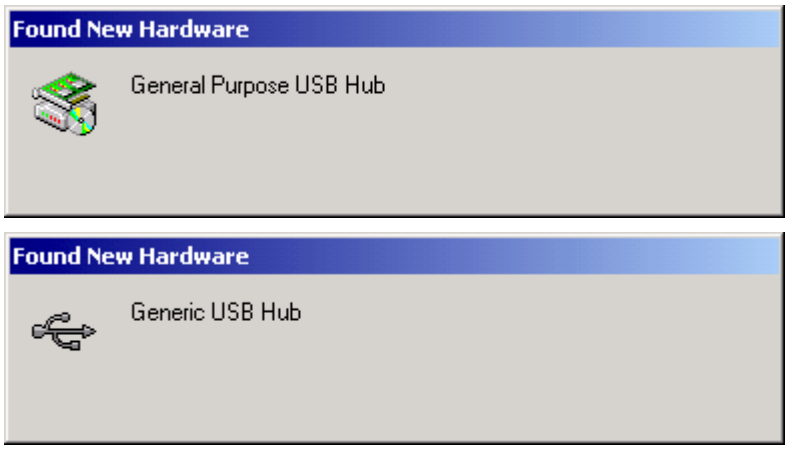
5. PassMos Device installation is completed. It will be recognized as a removable disk drive in Windows applications, such as, Windows Explorer or My Computer.



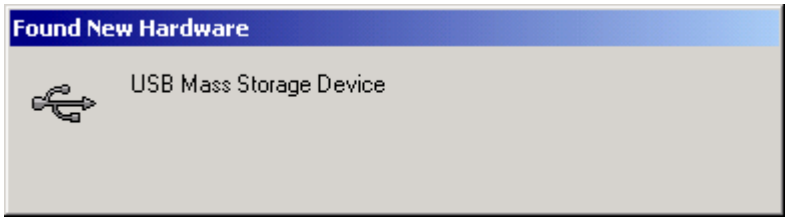
Windows 2000, XP

1. Connect PassMos to USB port of a system.

2. The system will recognize a new hardware and start the new hardware search wizard. The general USB hub will be recognized.



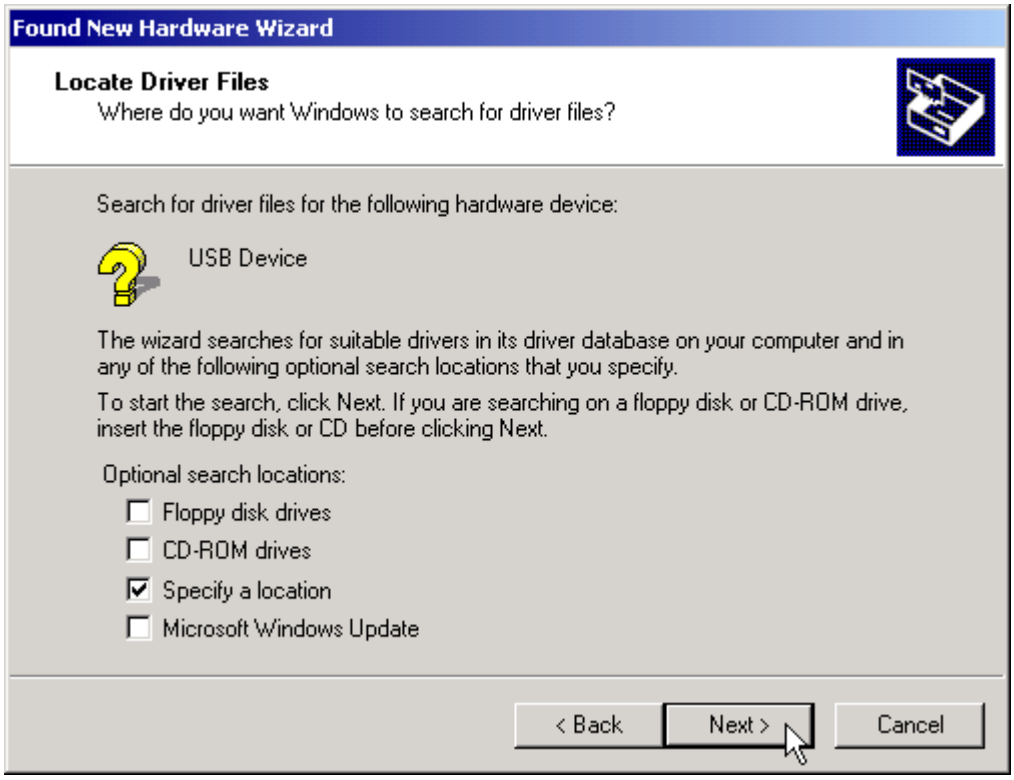
3. A Removable Disk Drive will be searched. USB Storage Device will be searched automatically in Windows 2000 and XP. If it is not detected automatically, refer to the PassMos home page (http://www.passmos.com).



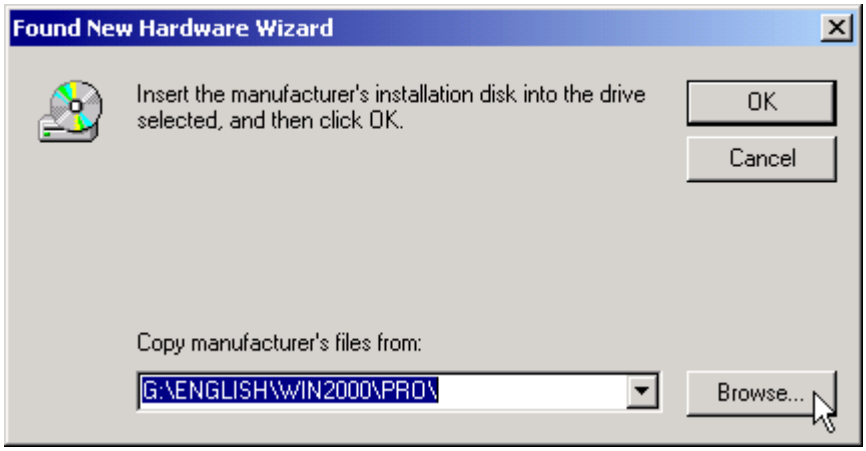
4. Click 'Next' to search the fingerprint sensor device.

5. Select to search the hardware and click 'Next'.

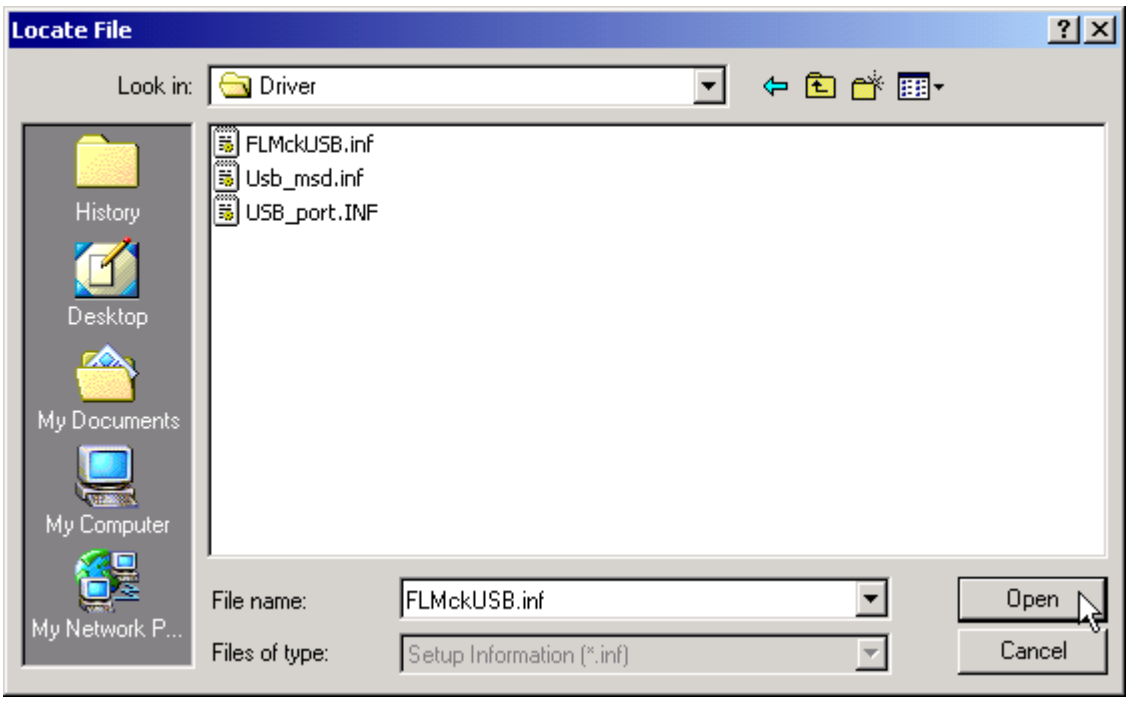
6. Check on 'Specify a location' then click 'Next'.



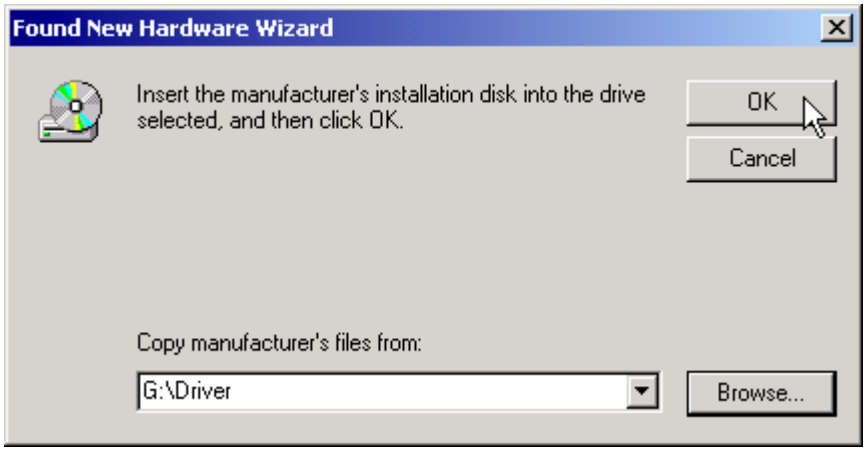
7. Insert PassMos Installation CD then Click 'Browse'.



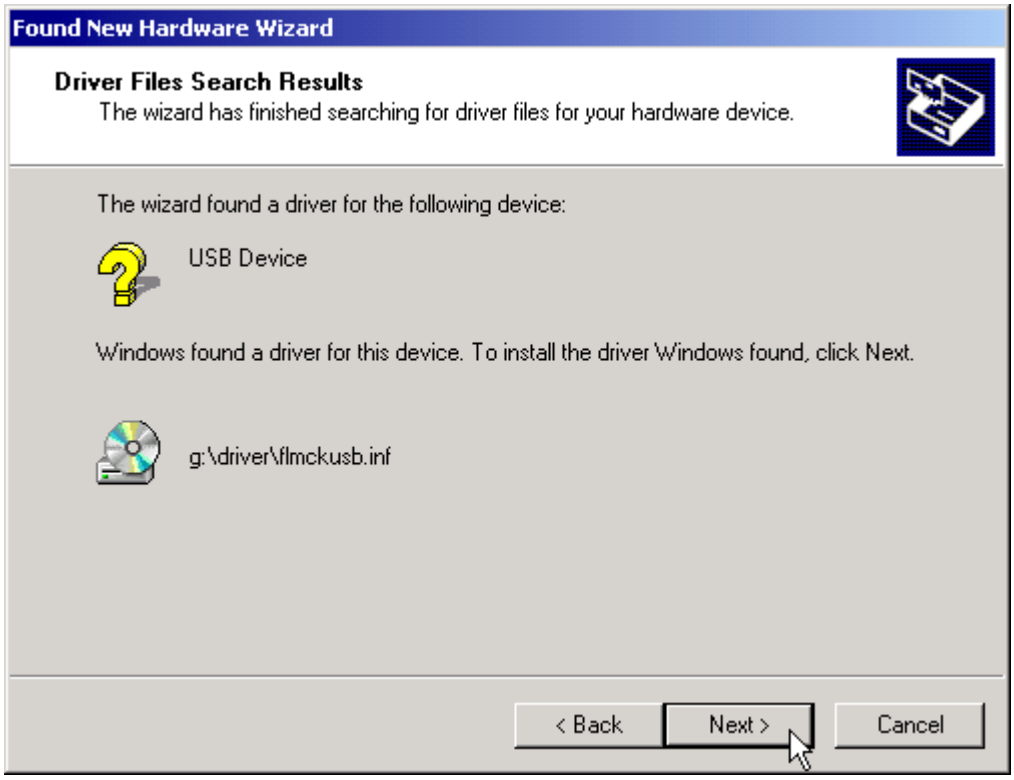
8. Select 'G:\Driver' then click 'Open'.



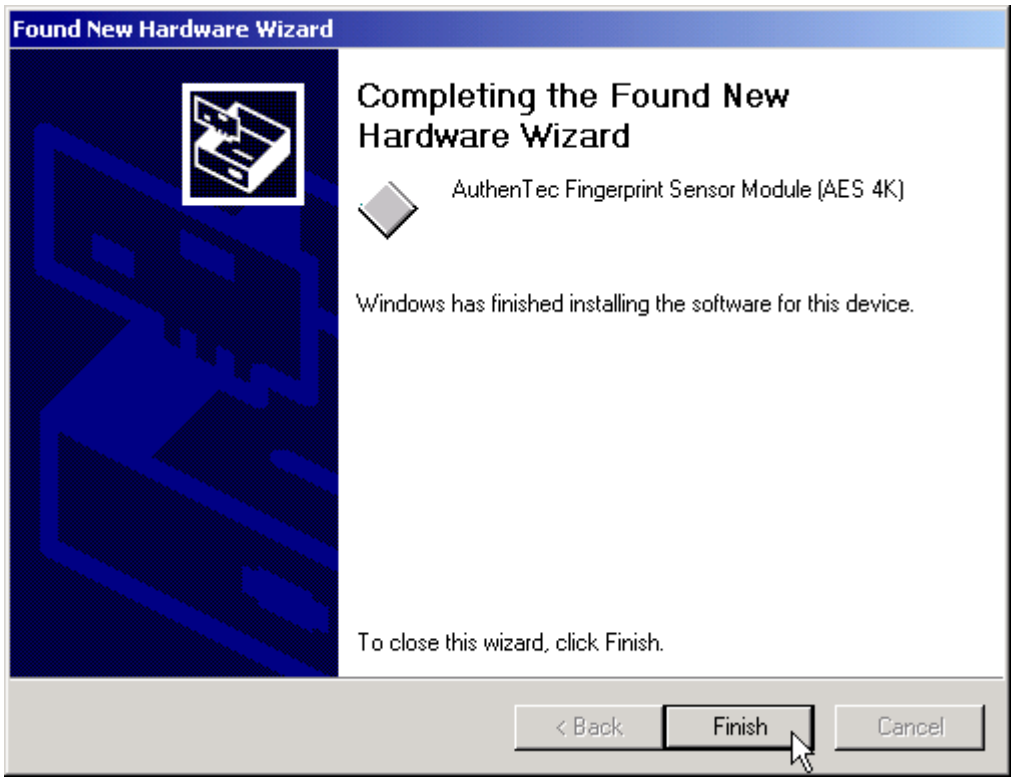
9. Make sure the directory and click 'OK'.



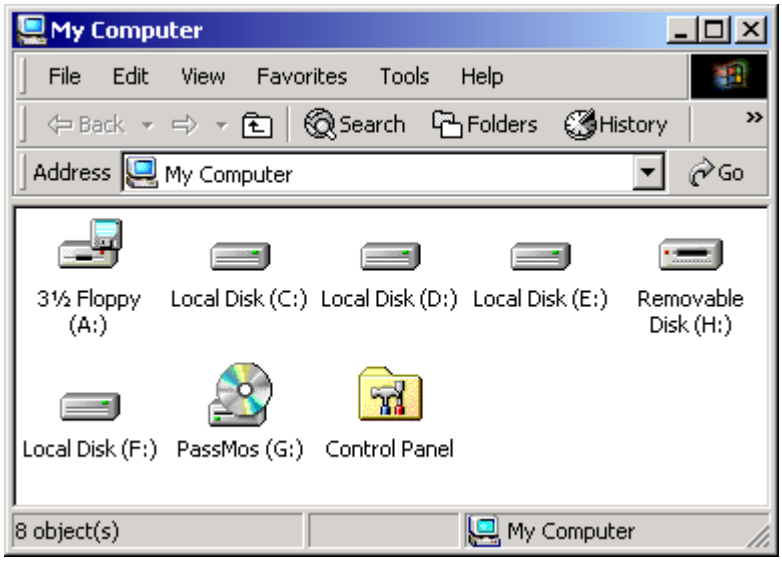
10. Click 'Next'.



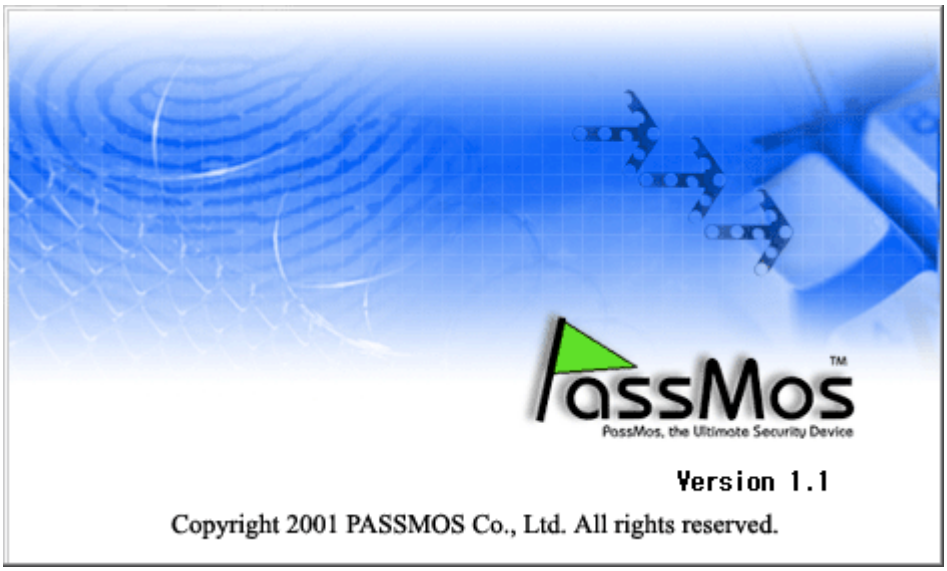
11. Device installation is completed. Click 'Finish'.



12. PassMos will be appeared as a Removable Disk Drive from Windows applications (Windows Explorer and My Computer). PassMos can be used as a general removable disk drive.

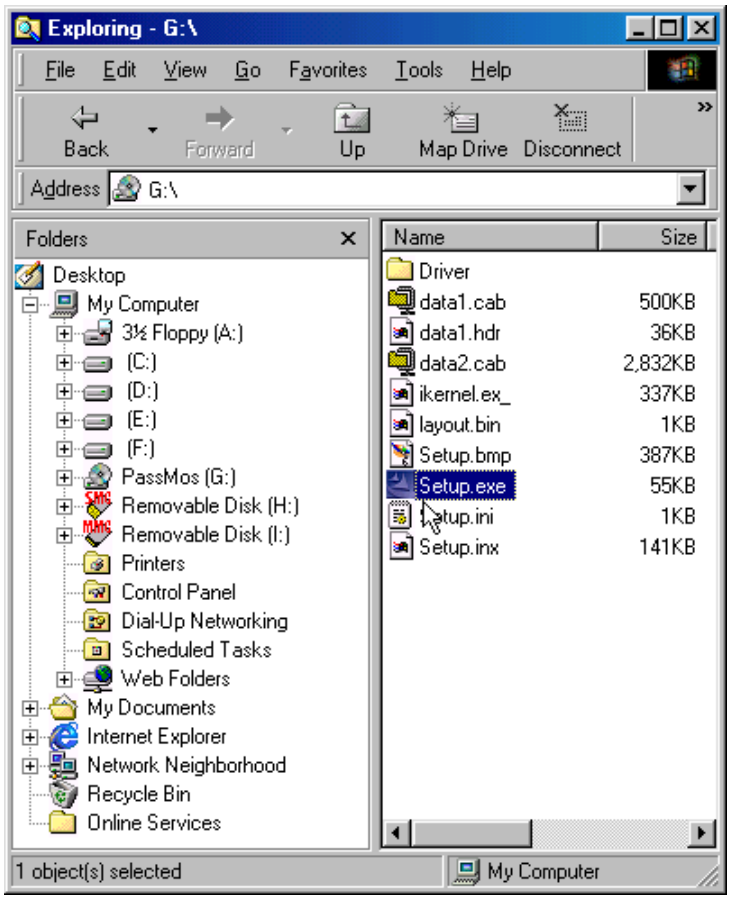


PassMos Application Installation

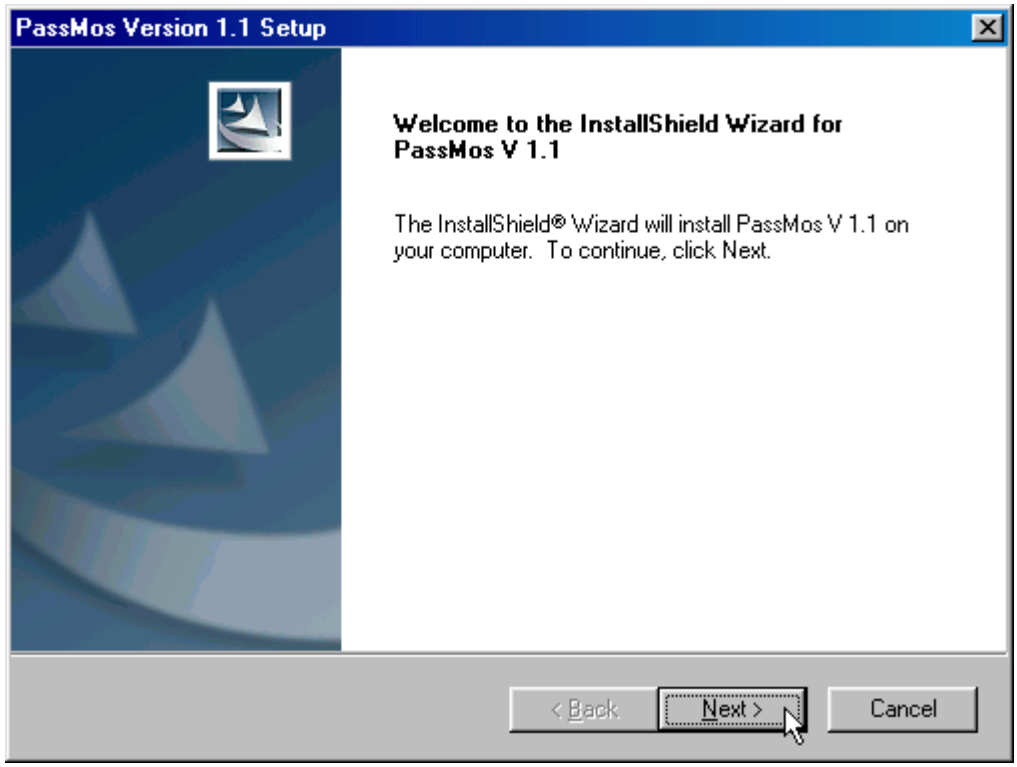


On My System

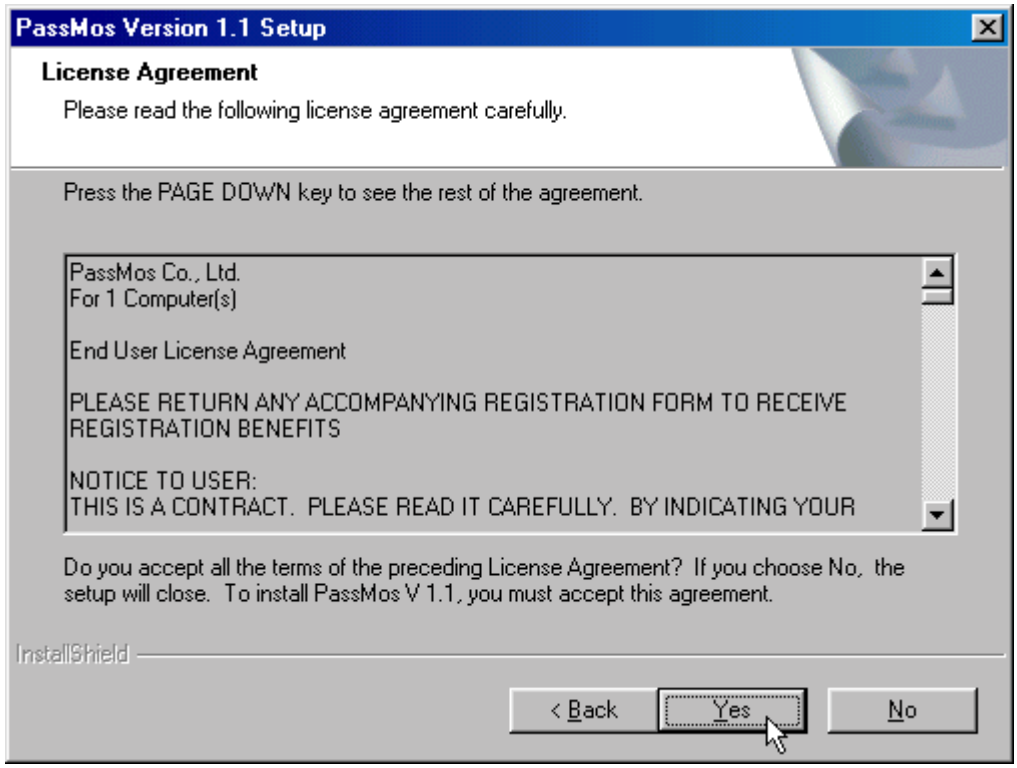
1. PassMos Applications can be installed after the Sensor Device Installation. Insert PassMos Installation CD and run 'Setup.exe'.



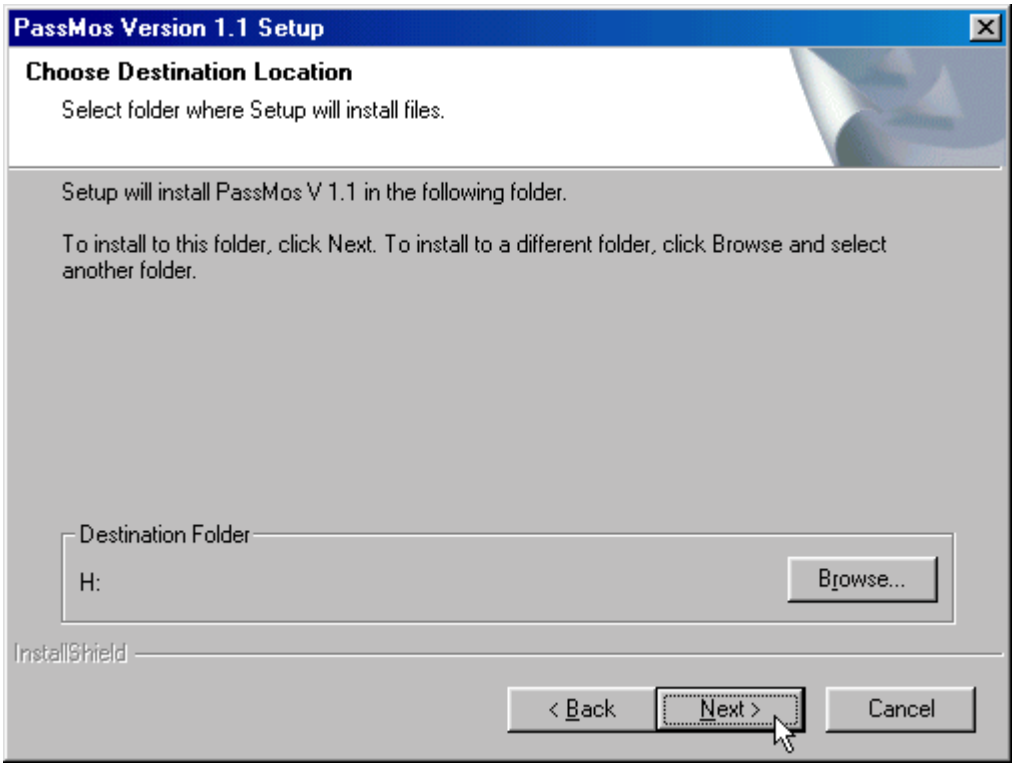
2. Click 'Next' to continue.



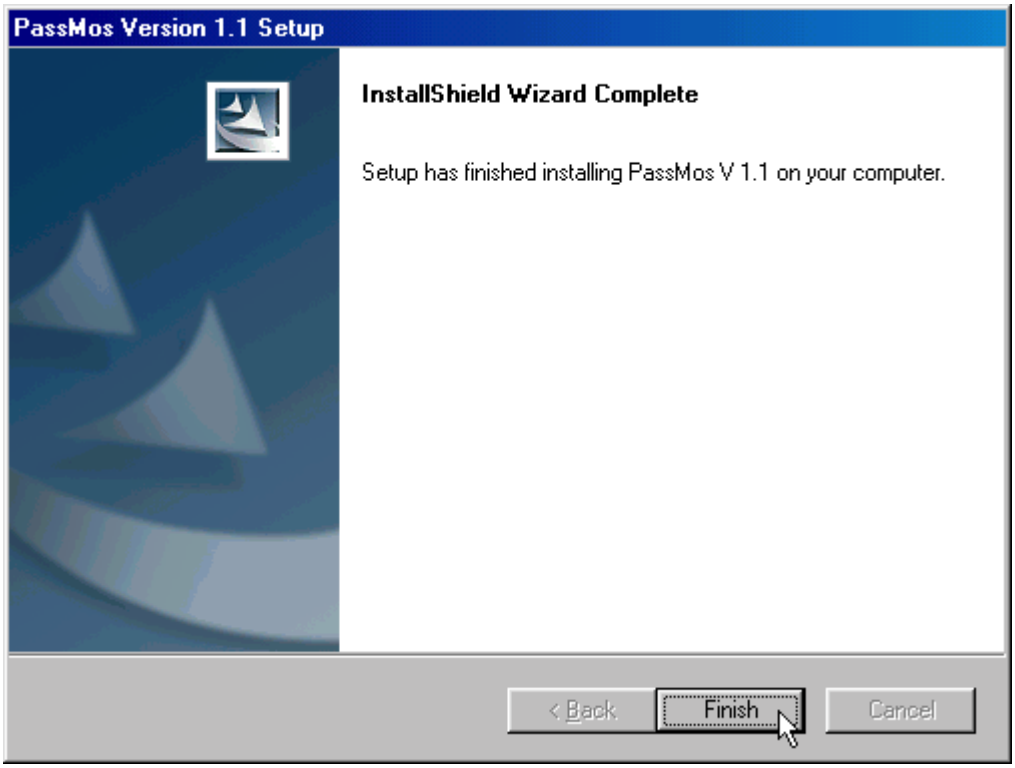
3. Read the License Agreement carefully, and click 'Yes' to continue installation and 'No' exit the program.



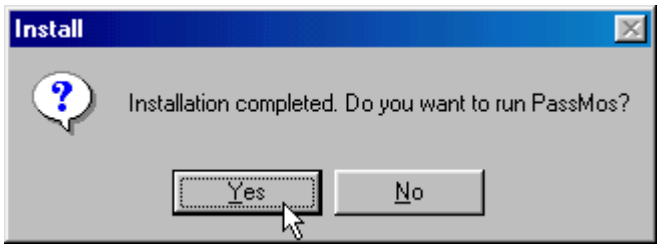
4. Click 'Next' when the target directory will be showed. Click 'Browse' to change the directory. The installation program will start.



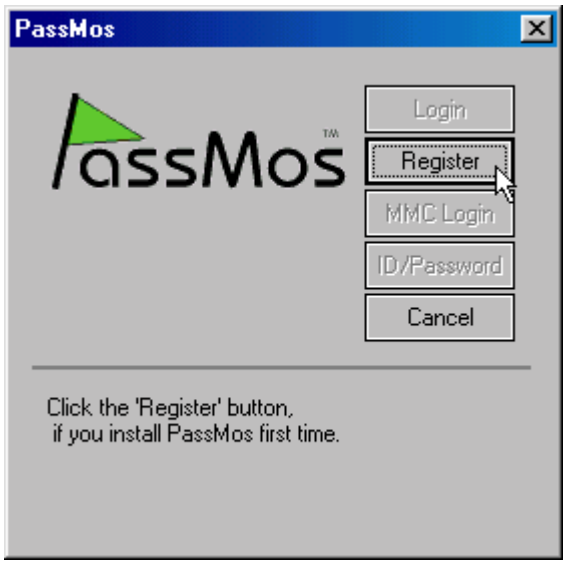
5. The installation is completed. Click 'Finish'.



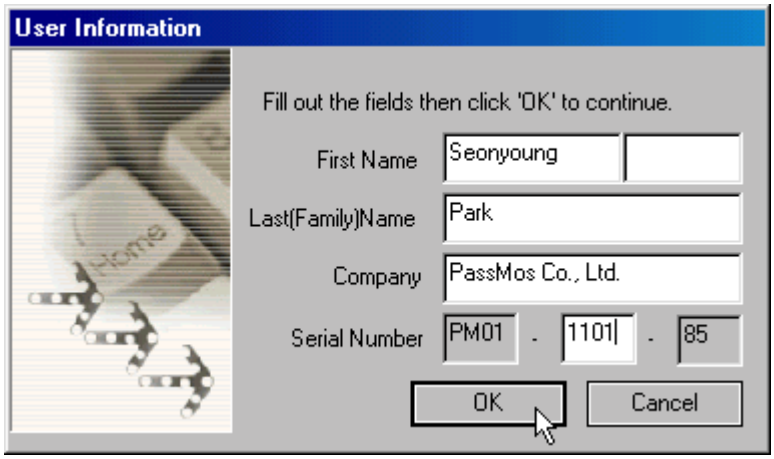
6. Click 'Yes' to run PassMos. Master User Registration process will begin.



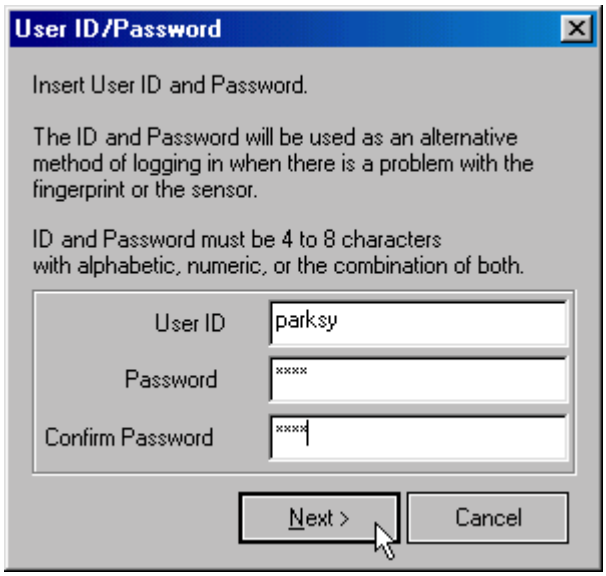
7. Click 'Register' to continue Master Registration. Click 'Cancel' to exit the process.



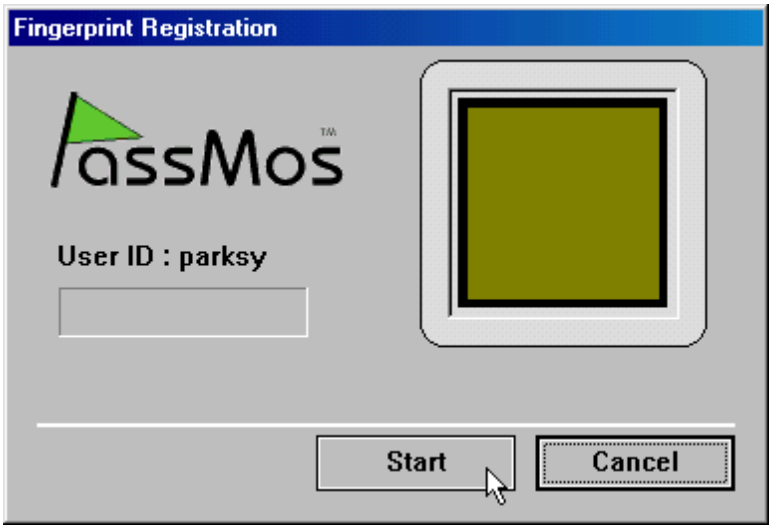
8. Fill out the User Information Form then click 'OK' to continue. [First Name, Middle Name, Last Name, Company, Serial Number]



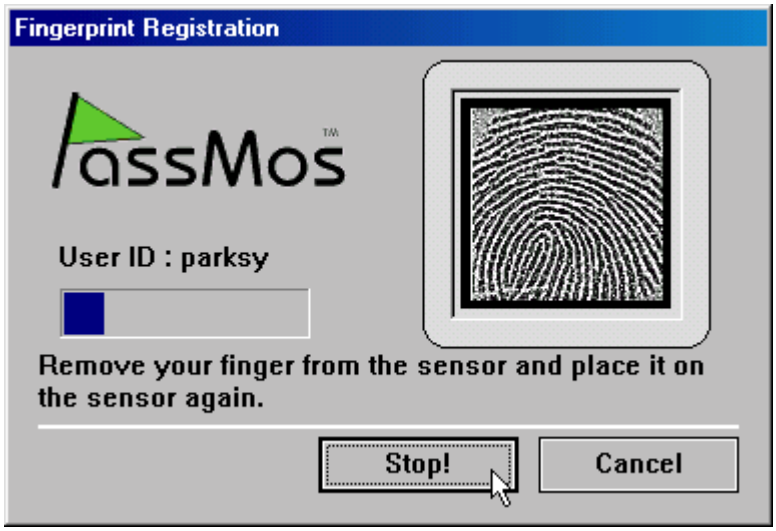
9. Input User ID and Password then click 'Next'. (ID and Password must be 4 to 8 characters with alphabetic, numeric, or combination of both.) User can log in with his/her User ID and Password when there is a problem logging with the fingerprint sensor. 'Input ID/Password' dialog box will appear by clicking 'F12' from fingerprinting window.



10. Click 'Start' then fingerprint enrollment process will begin.



11. Place a finger on the fingerprint sensor if 'Please, Place a finger on the Fingerprint Sensor' message appears. Please, Place the same finger on the Fingerprint Sensor.



12. Open the sensor flip and place a finger gently. (Usually the index finger is used for convenience.)

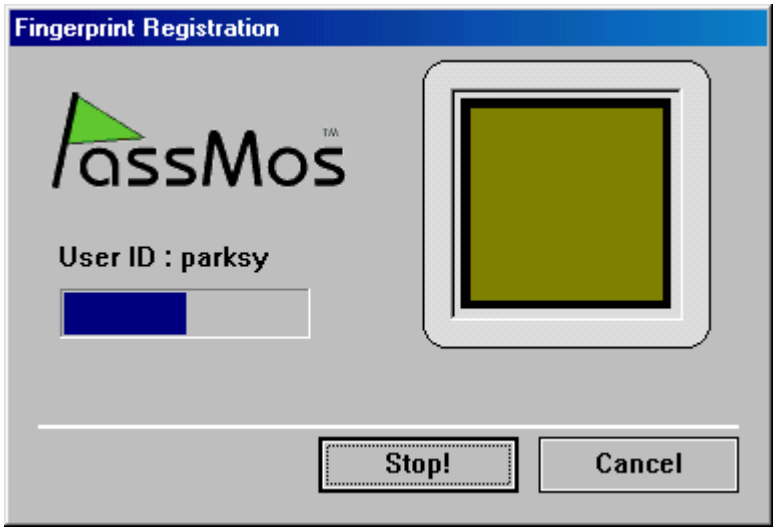
13. Cover the sensor surface as much as possible. (left) Error may occur if a finger is placed as the picture shown on below right.

O X

14. There will be a beeping sound if a fingerprint is taken successfully. A user may remove the finger from the sensor.

15. Alternate finger has to be enrolled for better security. Click 'OK' to continue.

16. Alternative fingerprint enrollment begins when the dialog box appears.



17. Open the sensor flip and place a finger gently. (Usually the index finger is used for convenience.)

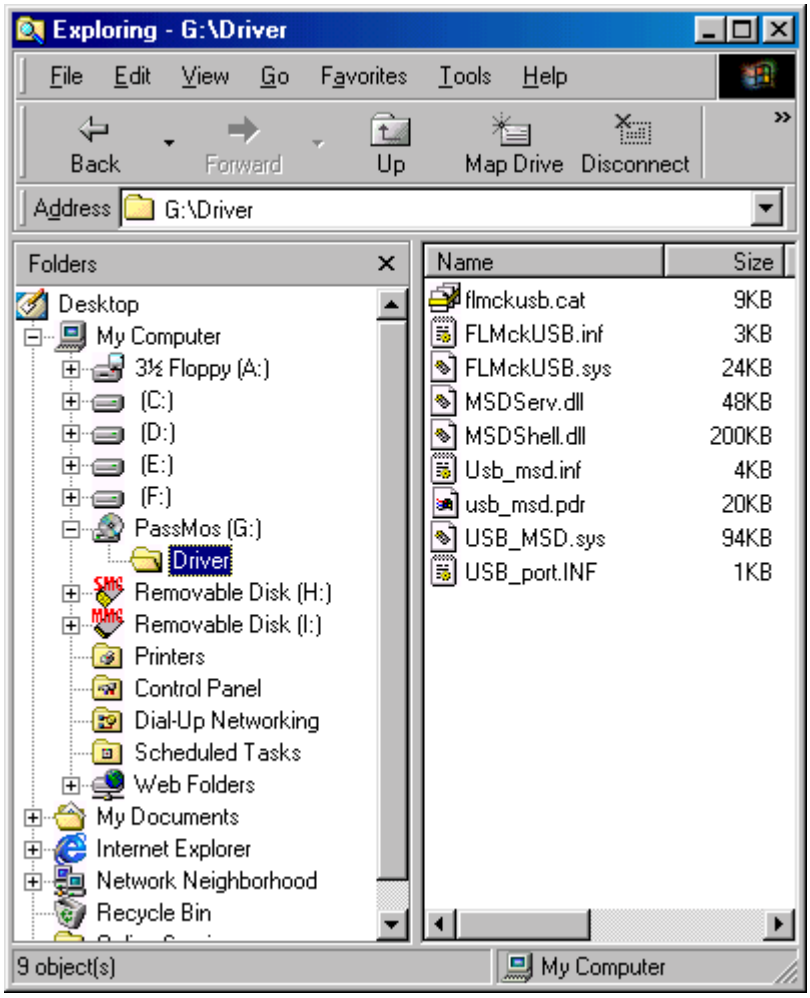
18. There is a beeping sound if a fingerprint is taken successfully. A user may remove the finger from the sensor.

19. Master Fingerprint Enrollment is completed. PassMos program will close. Click PassMos icon to run the application.

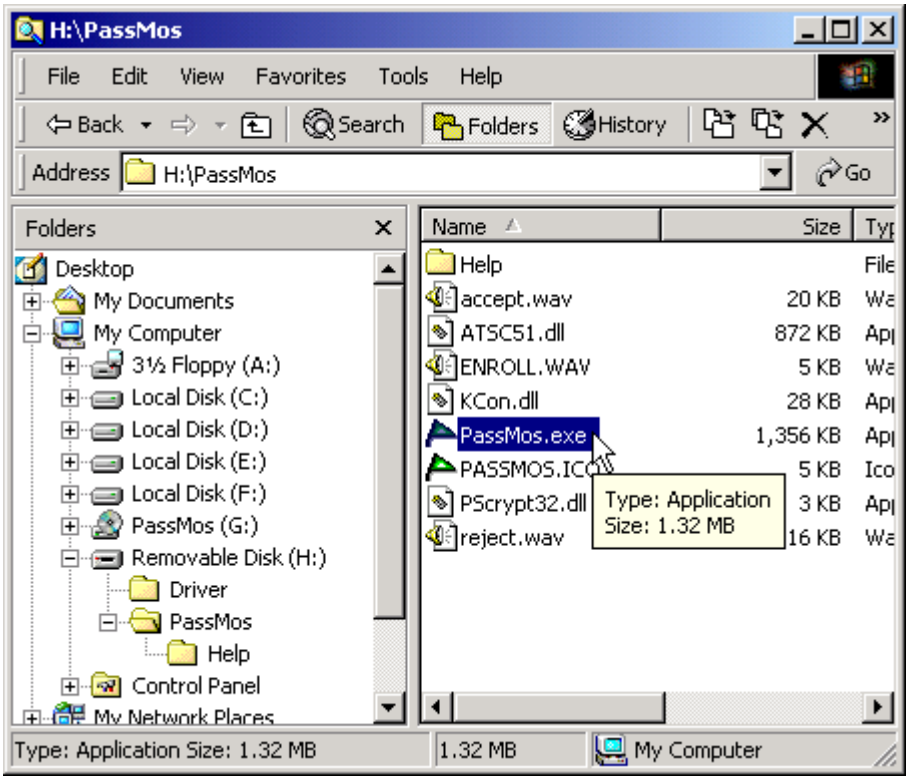
On Other System

1. Install PassMos Device. (Refer to 'PassMos Installation' section)

2. PassMos Installation CD is required on Windows 98 SE or Windows Me(The driver is also available at http://www.passmos.com). When installing AuthenTec Fingerprint Sensor, a user may select the PassMos removable disk drive directory [(CD-ROM)G:\Driver].



3. PassMos program can be run when PassMos device installation is completed. Run " (Removable Disk) H:\PassMos\PassMos.exe".



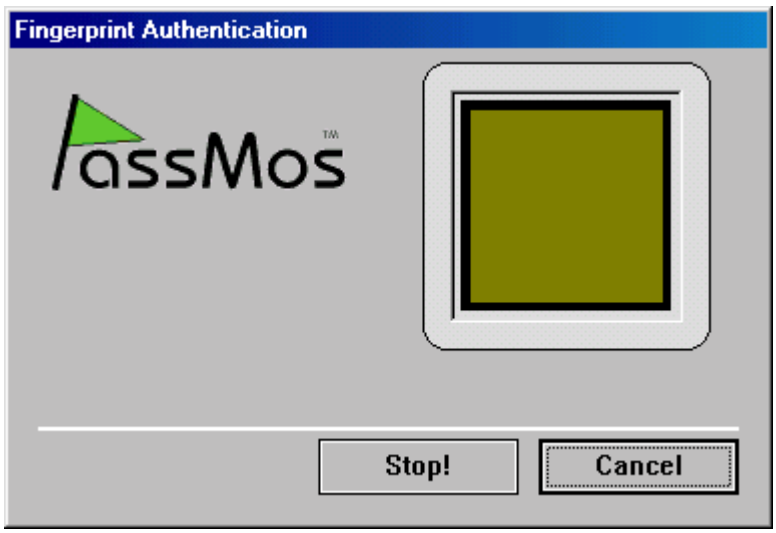
Run PassMos

Run

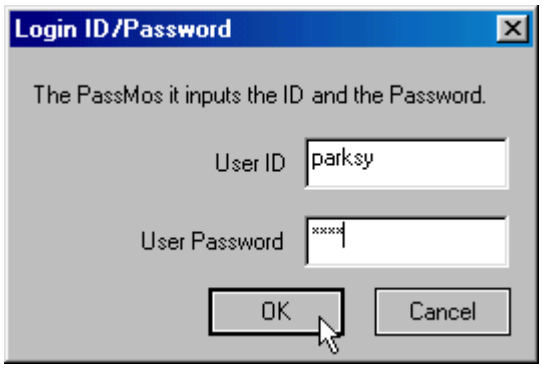
1. PassMos icon will be shown when the PassMos installation is completed.

2. Click 'Login' if the User Registration is completed. If both registered fingerprint is damaged, a user must click 'ID/Password' to use his/her user ID and Password.
   If the User Registration is not completed, click 'Register' for User Registration process. (Refer to number 7 of 'PassMos Application Installation')

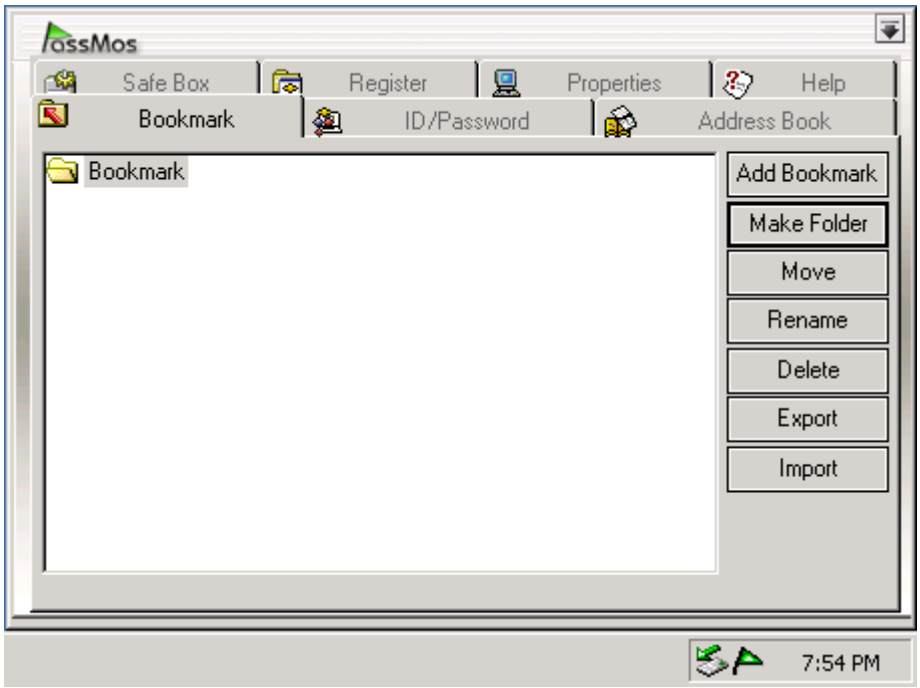
3. When 'Login' is clicked, the dialog box will appear and will quire fingerprinting. PassMos will run after fingerprint authentication. Place your finger for verification.



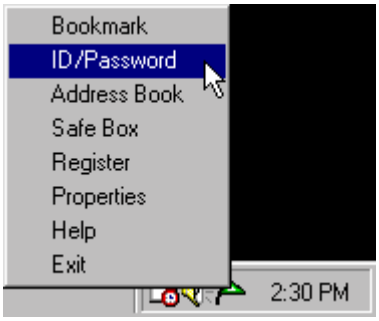
4. When 'ID/Password' is selected, the user will asked to input the User ID and the Password.



5. When PassMos program begins, will be shown in the status bar (on the bottom right side of the screen) and 'Bookmark' will run. Click to minimize the application main menu.

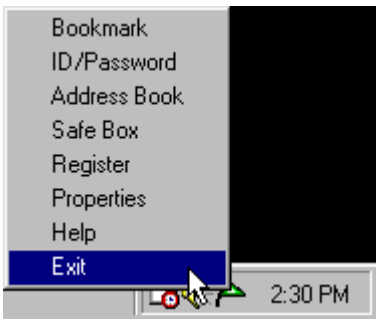


6. Bookmark will run by clicking from the status bar. User can select and run an application by clicking 'right button' of the mouse.

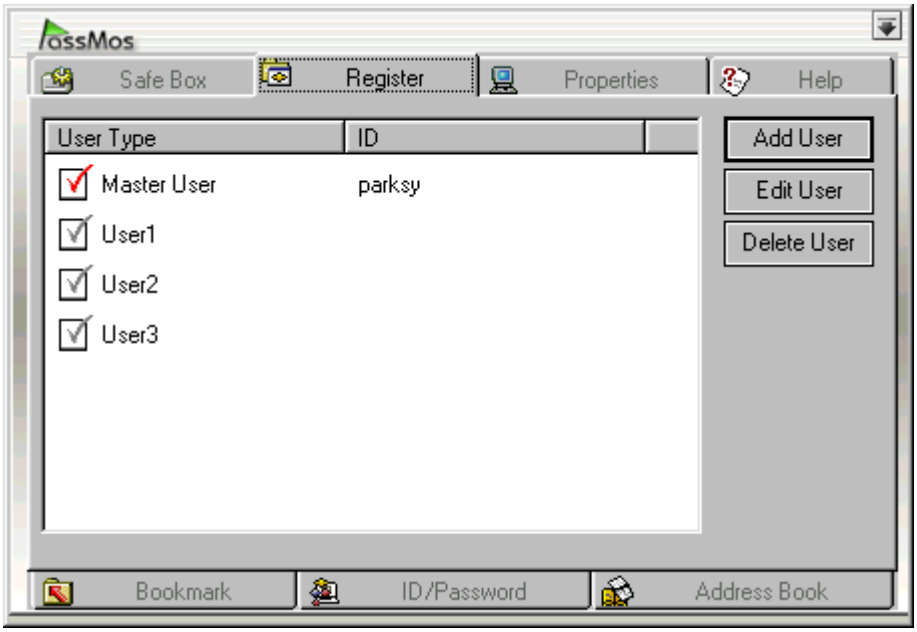


Exit PassMos

1. Right click (click right button of the mouse) on icon and select 'Exit' to close the PassMos application.



Register (User Management)

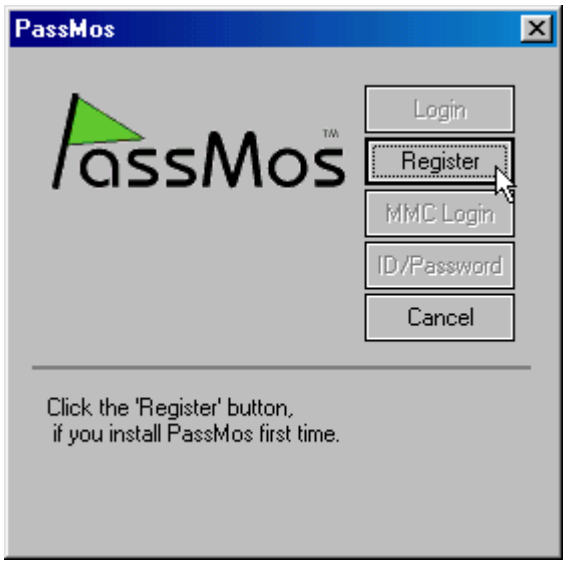


a. PassMos allows 4 registered users including 1 Master and 3 general users.
b. User Type: Master User, General User.
c. Master User will be the first registered user.

User Authority	
User Type	Authority
Master User	Master User information edit / delete General User information edit / delete
General User	Self information edit / delete

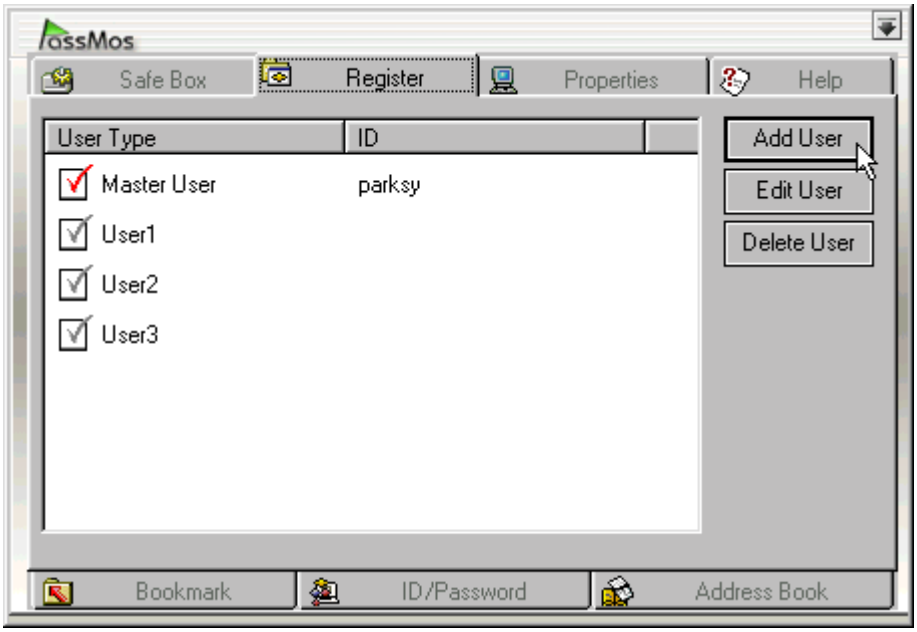
Add User (User Register) - Master User Register

Click on the PassMos icon to run PassMos. If the User Registration is not completed, click 'Register' for User Registration process. (Refer to number 7 of 'PassMos Application Installation').



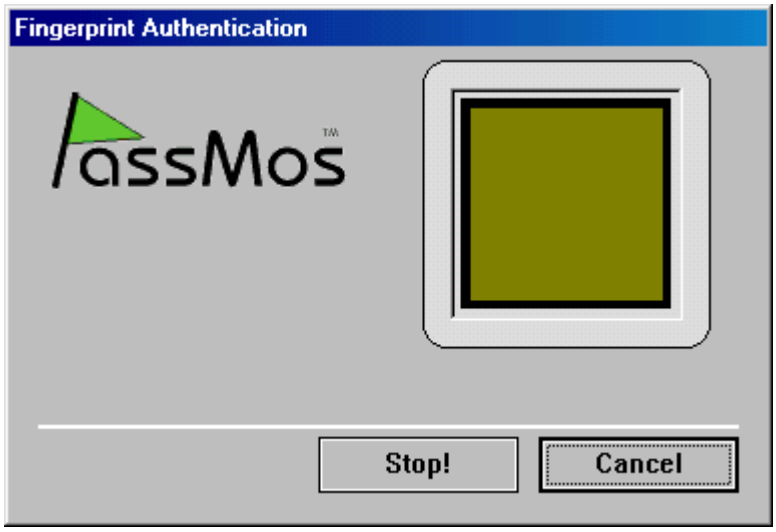
Add User (User Registration) – General User Registration

1. Master User allows general user registration. To add (register) a general user, run PassMos (by clicking PassMos icon) and use master user's fingerprint for authorization. Click 'Add User' from the Register menu.

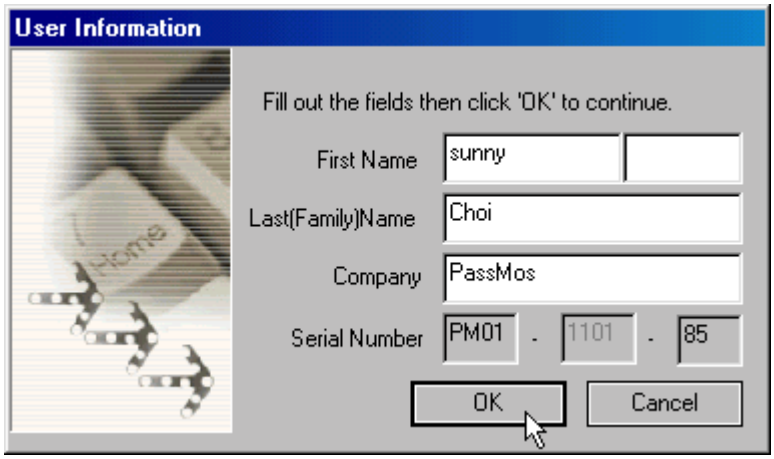


2. Master User's fingerprint will be required. Click 'OK' to continue.

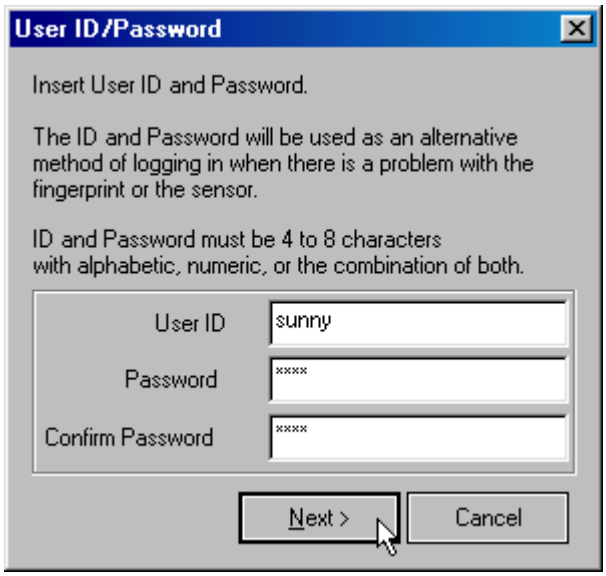
3. Insert Master User's fingerprint.



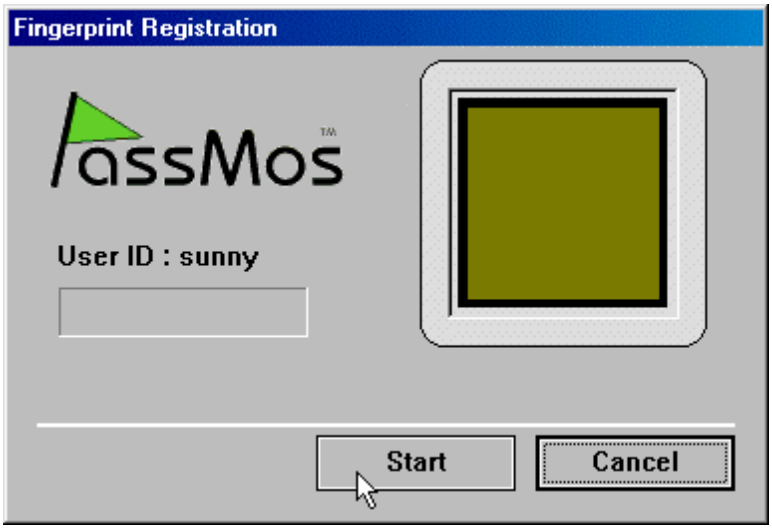
4. Fill out the General User Information form then click 'OK'. [First Name, Middle Name, Last Name, Company]



5. Input User ID and Password then click 'Next'. (ID and Password must be 4 to 8 characters with alphabetic, numeric, or combination of both.) User can log in with his/her User ID and Password when there is a problem logging with the fingerprint sensor. 'Input ID/Password' dialog box will appear by clicking 'F12' from fingerprinting window.



6. Click 'Start' then fingerprint enrollment process will begin. Place a finger on the fingerprint sensor.



7. Open the sensor flip and place a finger gently. (Usually the index finger is used for convenience.)

8. Cover the sensor surface as much as possible. (left) Error may occur if a finger is placed as the picture shown on below right.

O

X

9. There will be a beeping sound if a fingerprint is taken successfully. A user may remove the finger from the sensor.

10. Alternate finger has to be enrolled for better security. Click 'OK' to continue. Alternative fingerprint enrollment begins when the dialog box appears.

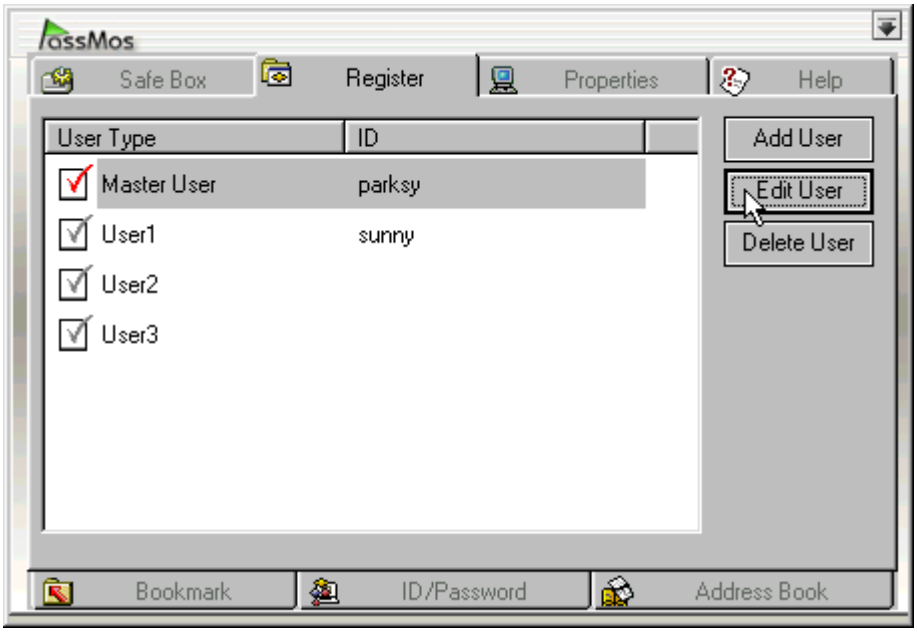
11. Open the sensor flip and place a finger gently. (Usually the index finger is used for convenience.)

12. There is a beeping sound if a fingerprint is taken successfully. A user may remove the finger from the sensor.

13. Fingerprint Enrollment is completed. PassMos program will close. Click PassMos icon to run the application.

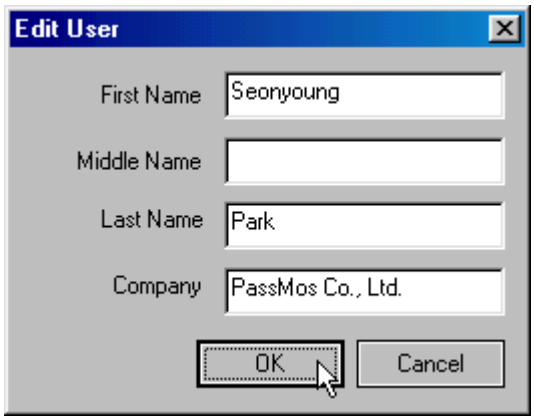
Edit User (User Information Edit)

1. A User is allowed to make change of his/her own information only. Double click on a user to edit or click once on the user and click 'Edit User'.

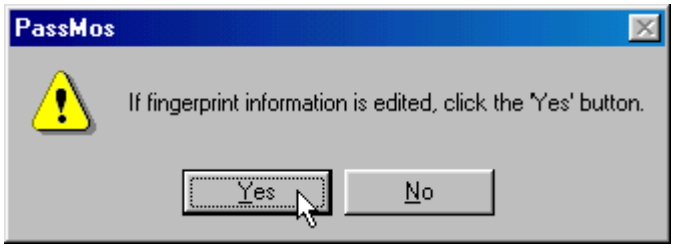


2. The User's fingerprint will be required. The User can edit his/her information with the User ID and Password when there is a problem logging with the fingerprint sensor. 'Input ID/Password' dialog box will appear by clicking 'F12' from fingerprinting window.

3. The User ID and the Password cannot be edited. Click 'OK' after make changes.



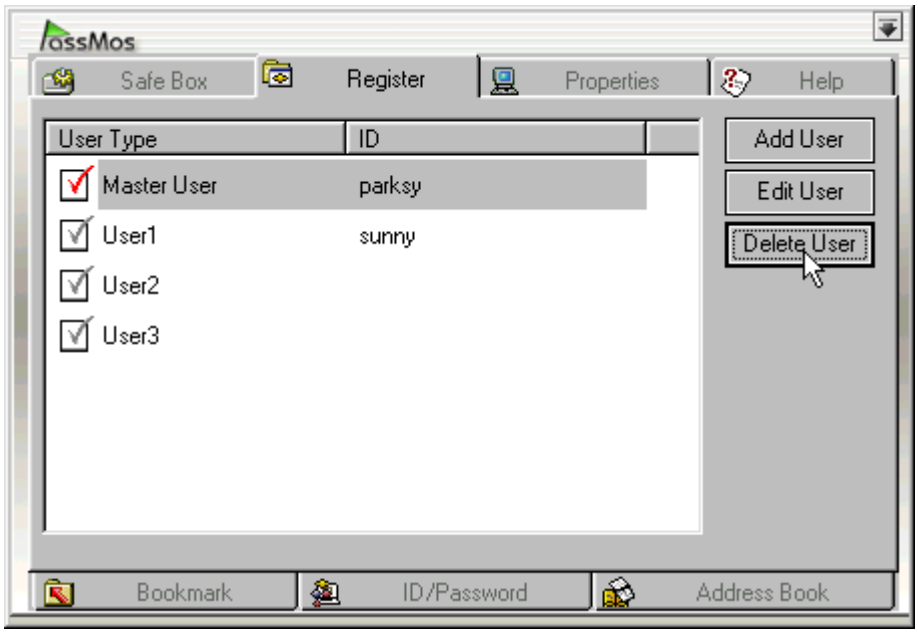
4. Click 'Yes' to edit the fingerprint.



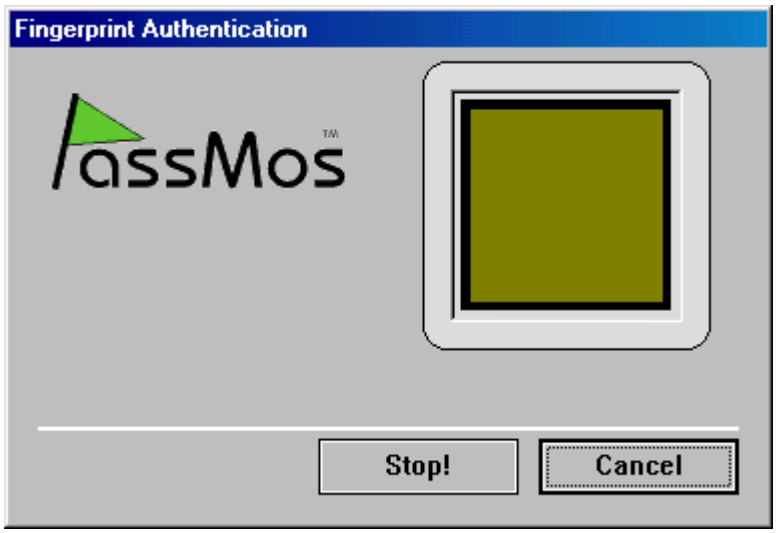
5. Insert the first fingerprint and the alternate fingerprint.

Delete User

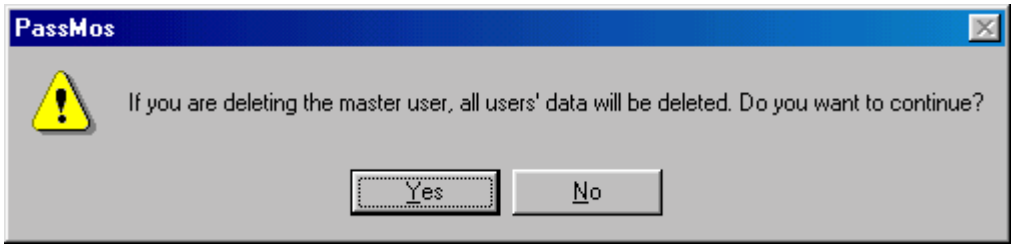
1. Select a user to delete from the list then click 'Delete User'.



2. Enter the user's fingerprint or Master User's fingerprint. Master User can delete any user.



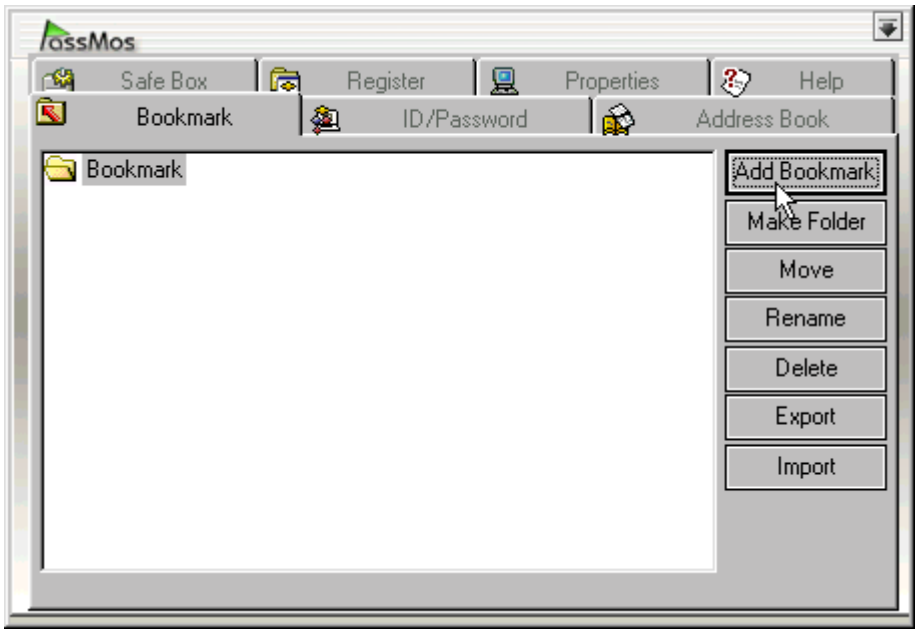
3. Click 'Yes' to delete the user's information and data. When Master User is deleted, all data including general users' data also will be deleted.



Bookmark

Add Bookmark

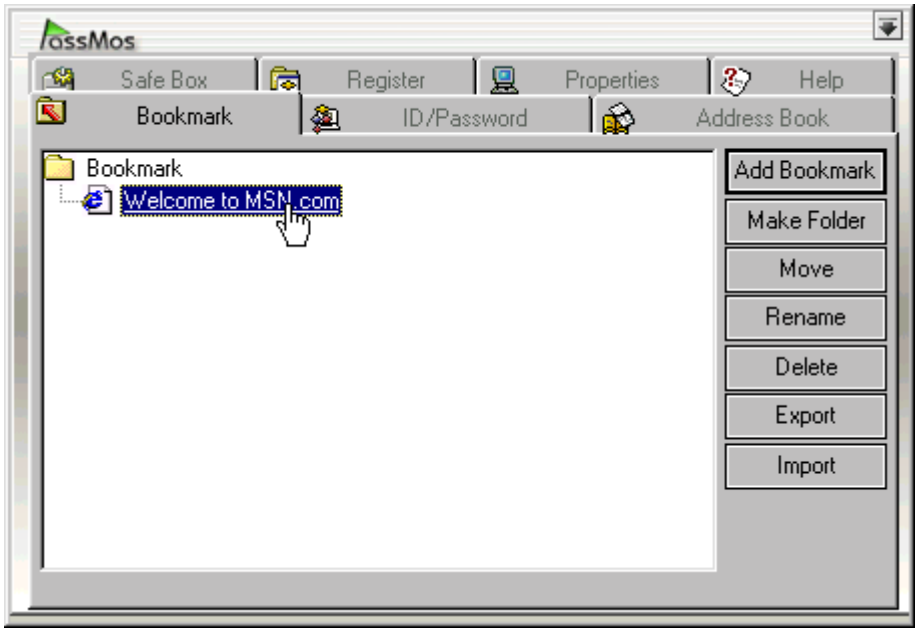
1. Visit a website to add to the PassMos Bookmark list then click 'Add Bookmark'.



2. Click 'Add' to complete.

List Bookmark

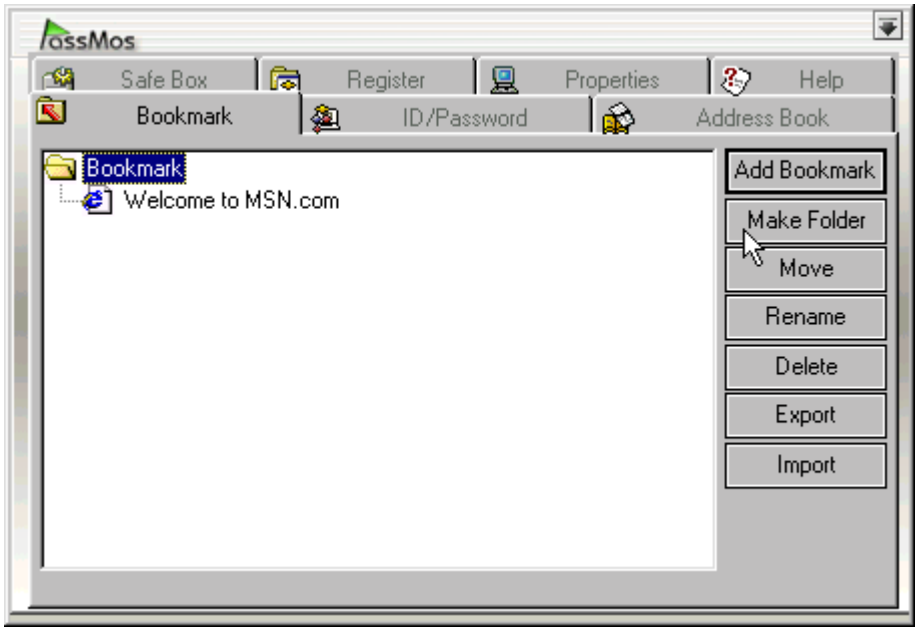
1. Double click a website title from the bookmark list to visit the site.



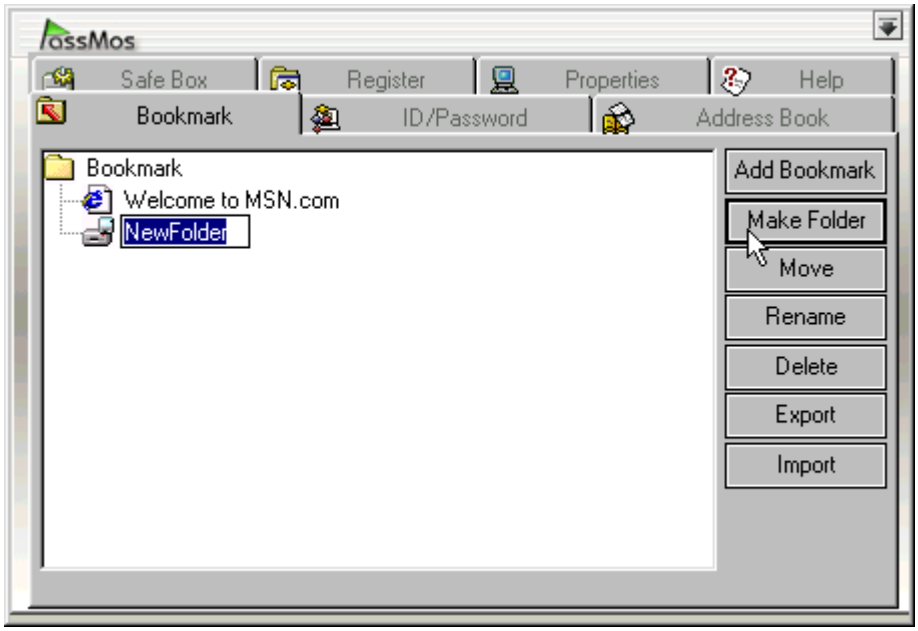
2. Web browser will pop and move to the site.

Make Folder

1. Creating a folder in the Bookmark List. Place a cursor where you wish to create a folder then click 'Make Folder'.

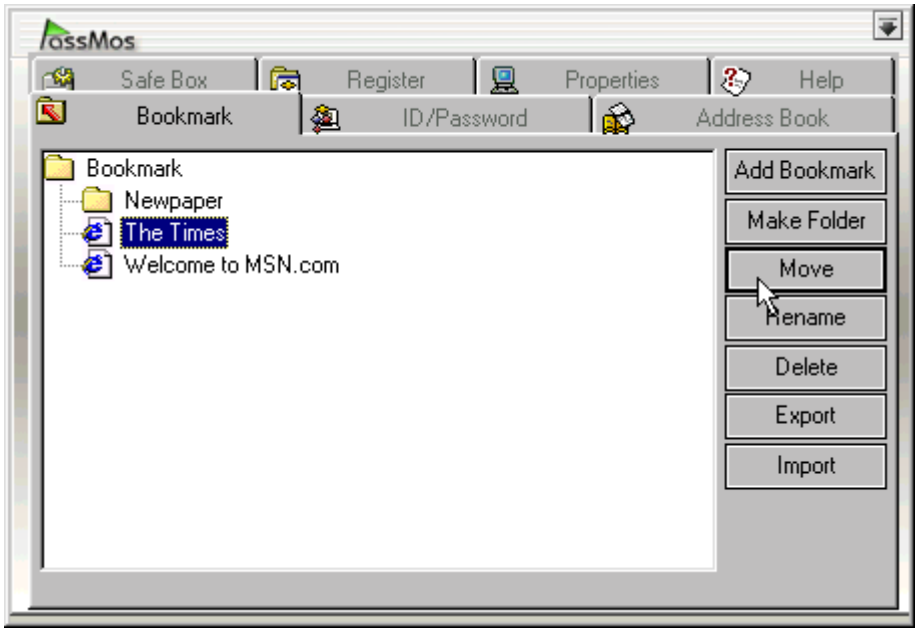


2. Type a new folder name.

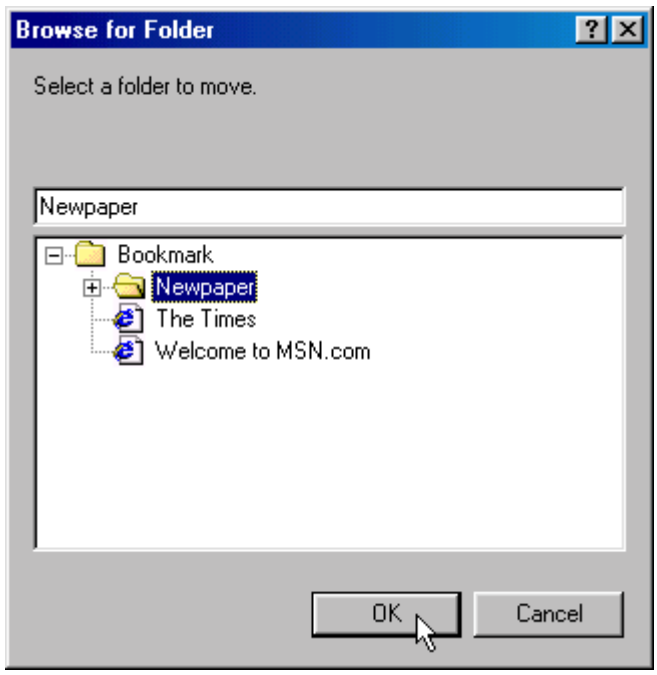


Move

1. Changing location of folder or file. Select a website title to move and click 'Move'.

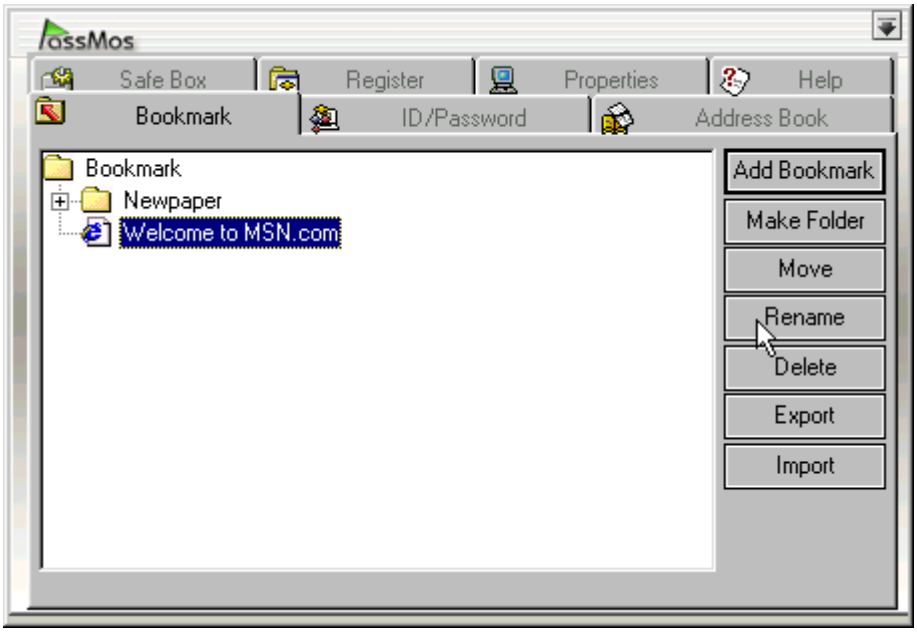


2. Select a folder from 'Browse for Folder' dialog box and click 'OK' to move.

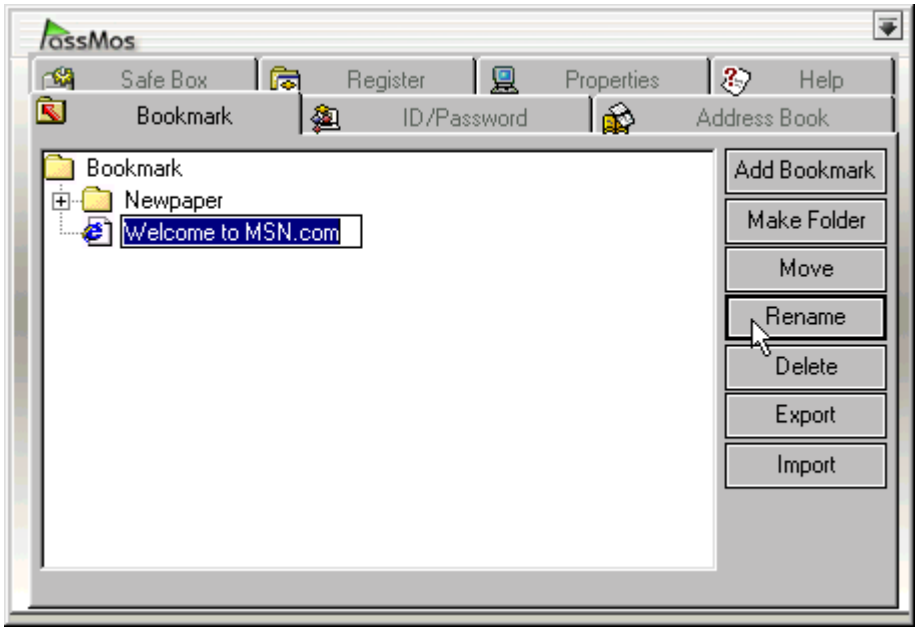


Rename

1. Changing the title of bookmark or folders. Select a bookmark title or a folder and click 'Rename'.

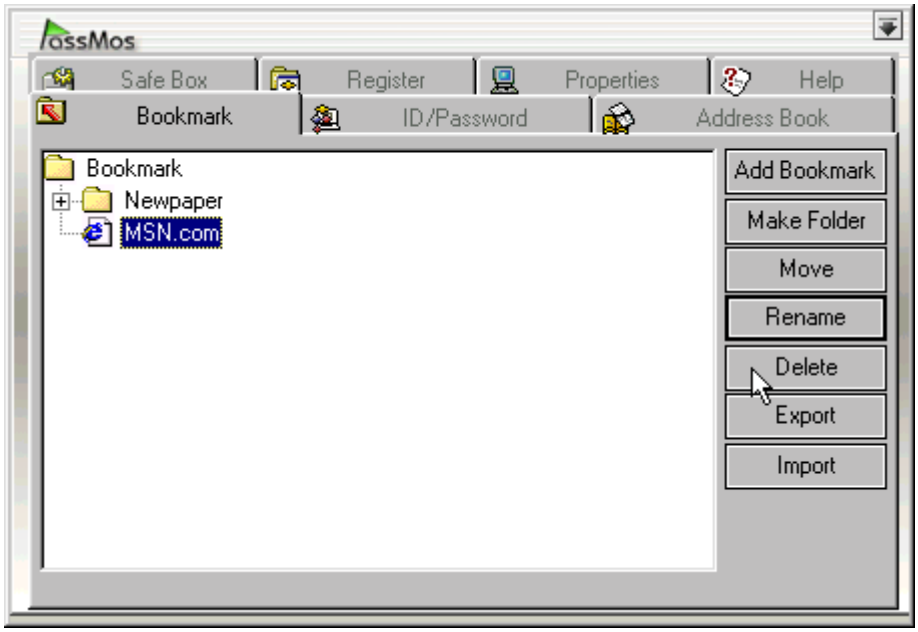


2. Type a new title and click 'Enter' key.

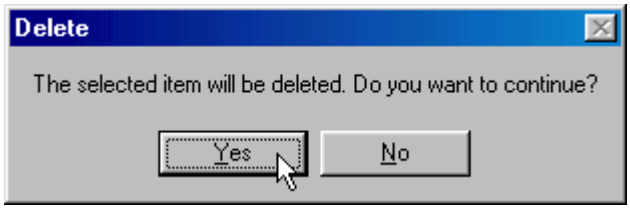


Delete

1. Deleting a folder or a bookmark. Select a folder or a bookmark then click 'Delete'.

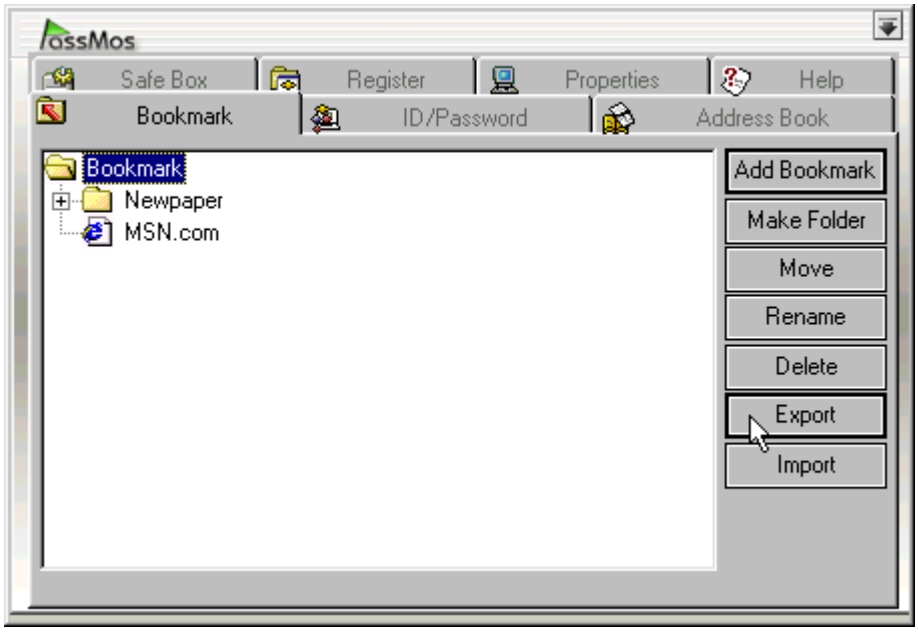


2. Click 'Yes' to delete. If a folder is deleted, the containing folders and bookmarks will be deleted, too.



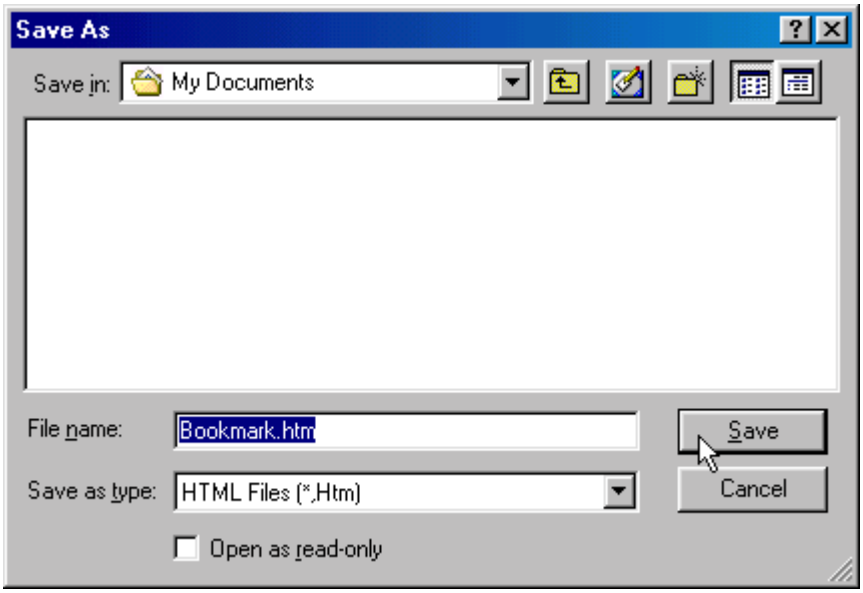
Export

1. Exporting the bookmark data to other system as an Internet Explorer compatible file. Select a folder to export and click 'Export'.



2. Click to confirm the folder then click 'OK' to continue export process.

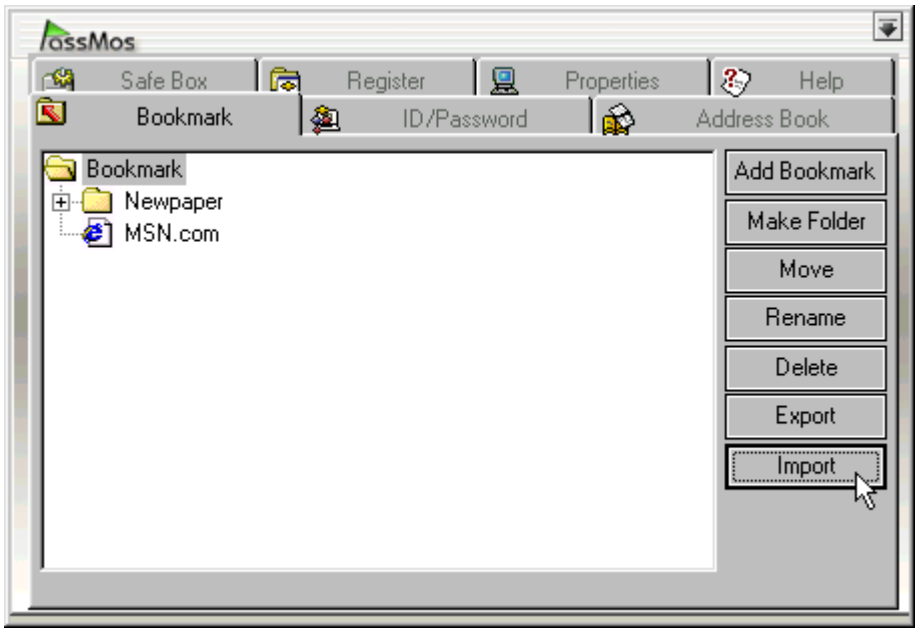
3. Select a target directory and insert a new file name then click 'Save'.



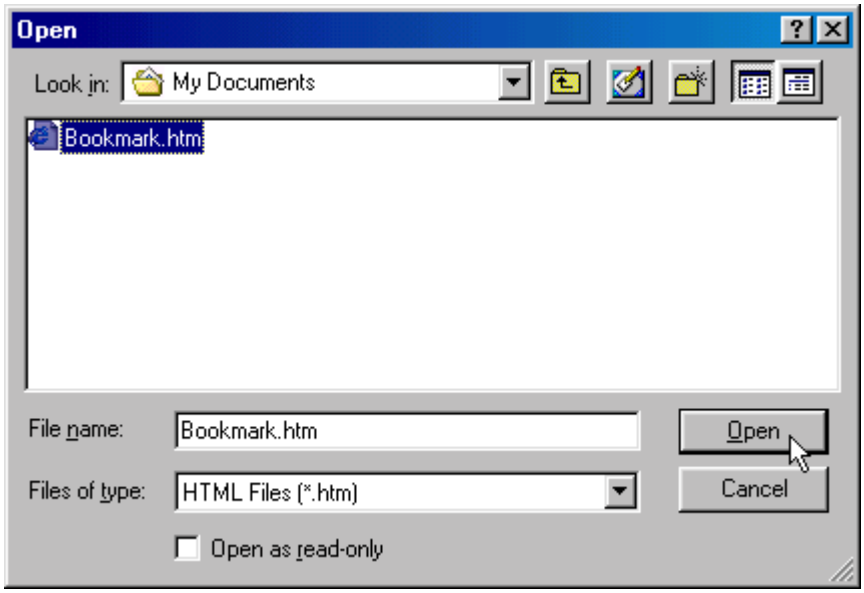
4. Click 'OK' to complete export process.

Import

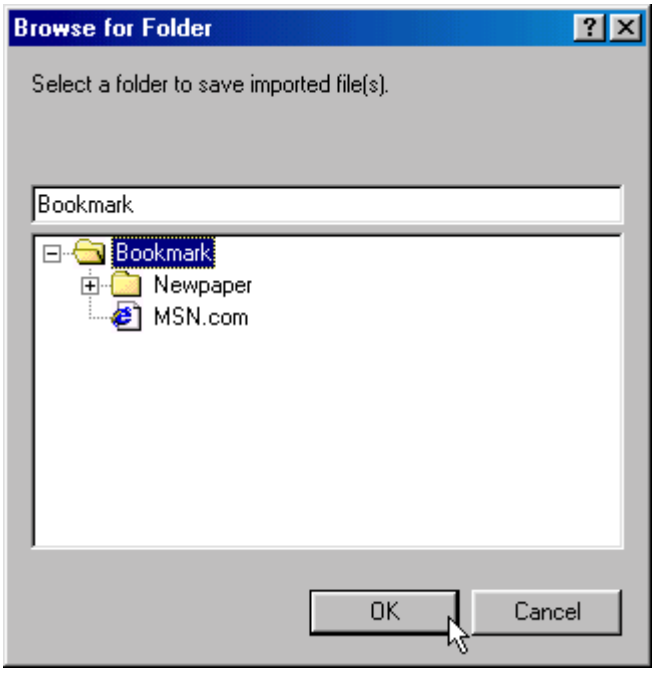
1. Importing 'Internet Explorer' compatible file from other system to PassMos. Click 'Import' to continue.



2. Select a file to import then click 'Open'.



3. Select a target folder then click 'OK'.

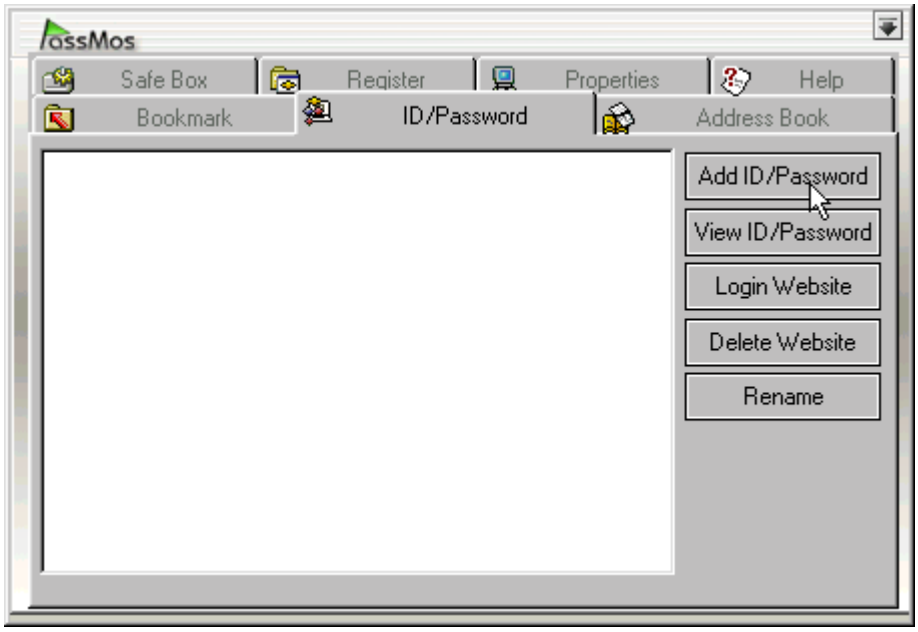


4. Click 'OK' to complete.

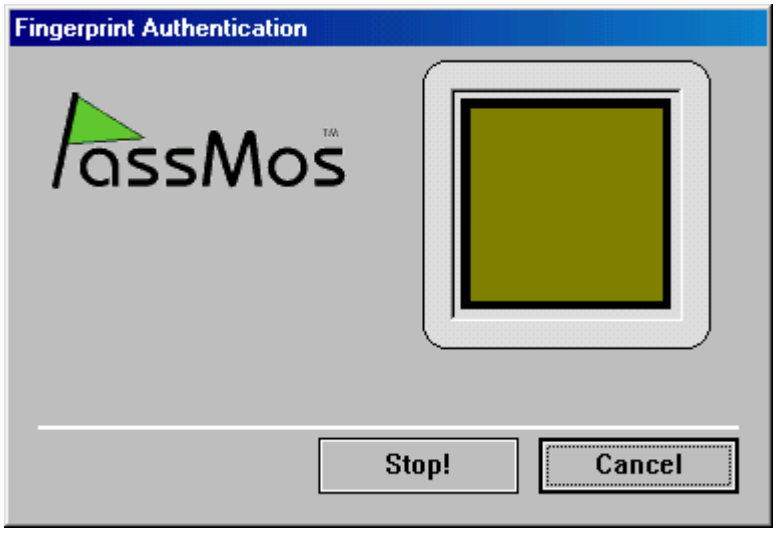
ID/Password

Add ID/Password

1. Adding ID's and Passwords to log in to web sites. Move to a web page to save and click 'Add ID/Password'.



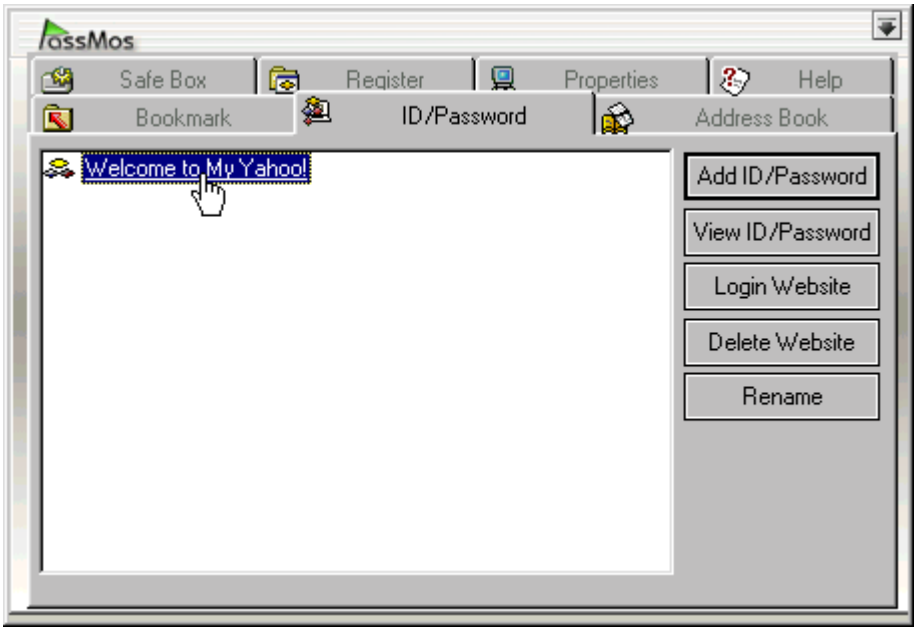
2. ID/Password will be added after fingerprint authentication. If there is a problem logging in with fingerprint such as, damaged fingerprint or the sensor problem, click 'F12' to log in with ID and Password.



3. Insert user ID and Password and click 'OK' to register.

List ID/Password

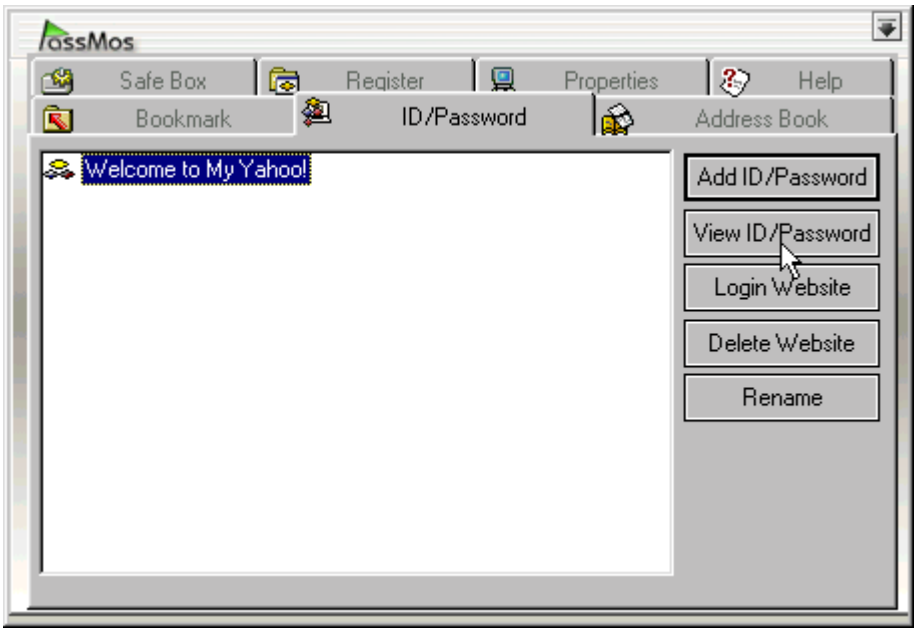
1. Double click a web site to log in.



2. The system browser will appear then move to the web site to log in.

View ID/Password

1. Viewing the list of ID's and Passwords of web sites. Select a web site and click 'View ID/Password' to display the ID and the Password.

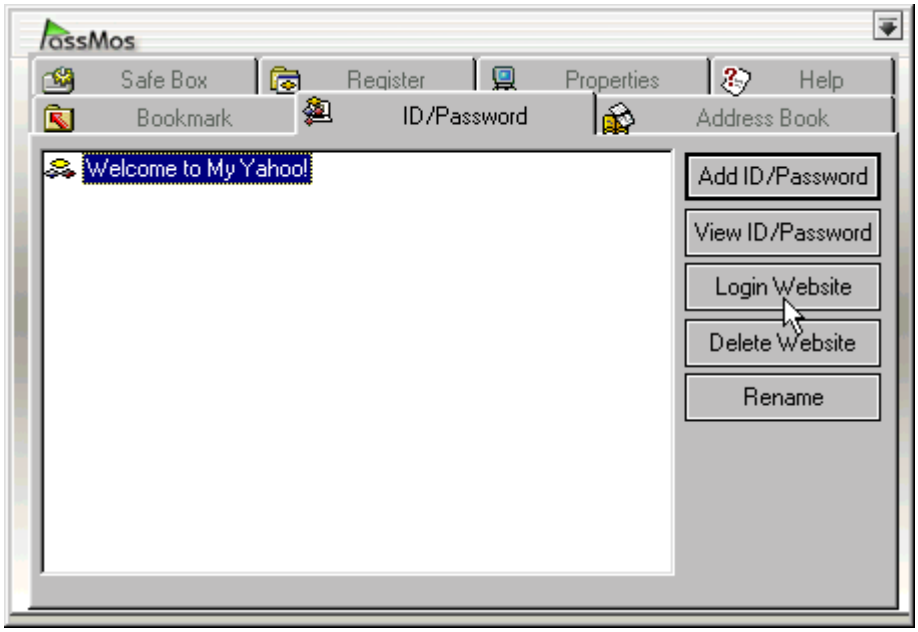


2. Fingerprinting will be required before display ID/Password.

3. Inquiring internet registered ID's and Passwords. This is useful when URL's have changed and previous ID's and Passwords are useless. In this case, user can log in by dragging the ID and Password from the View ID/Password to the log in page of new web site.

Login Website

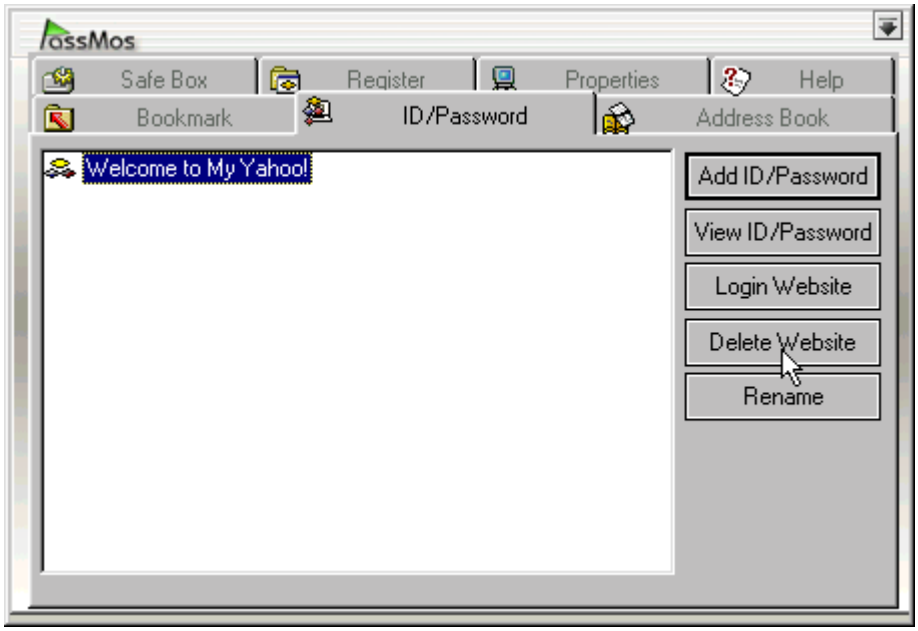
1. Select a web site title and click 'Login Website' to log in the site.



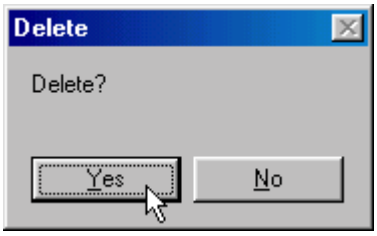
2. The ID and the Password will appear automatically in the fields after fingerprint authentication.

Delete Website

1. Select a web site to delete and click 'Delete Website'.

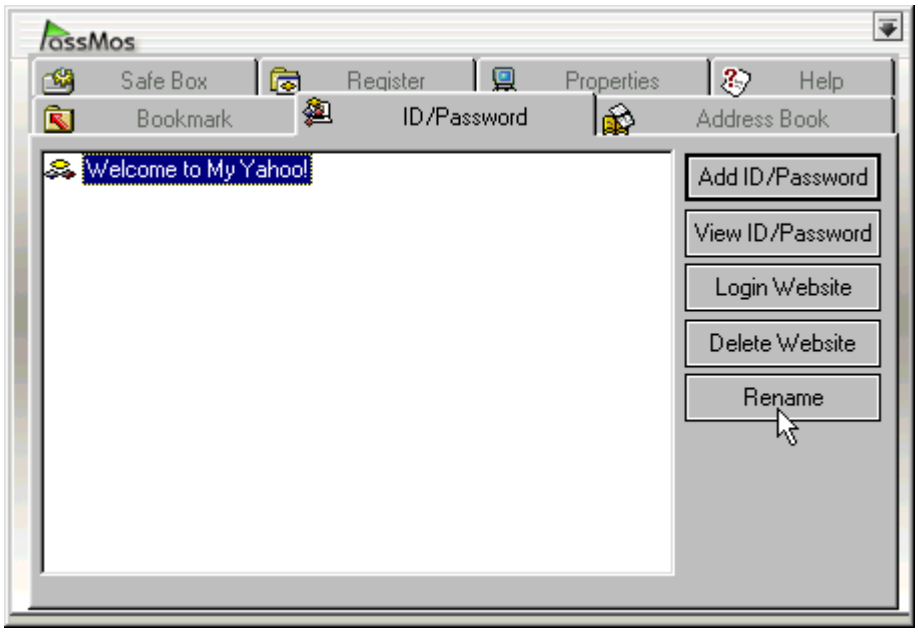


2. Click 'Yes' to begin deleting after fingerprint authentication.

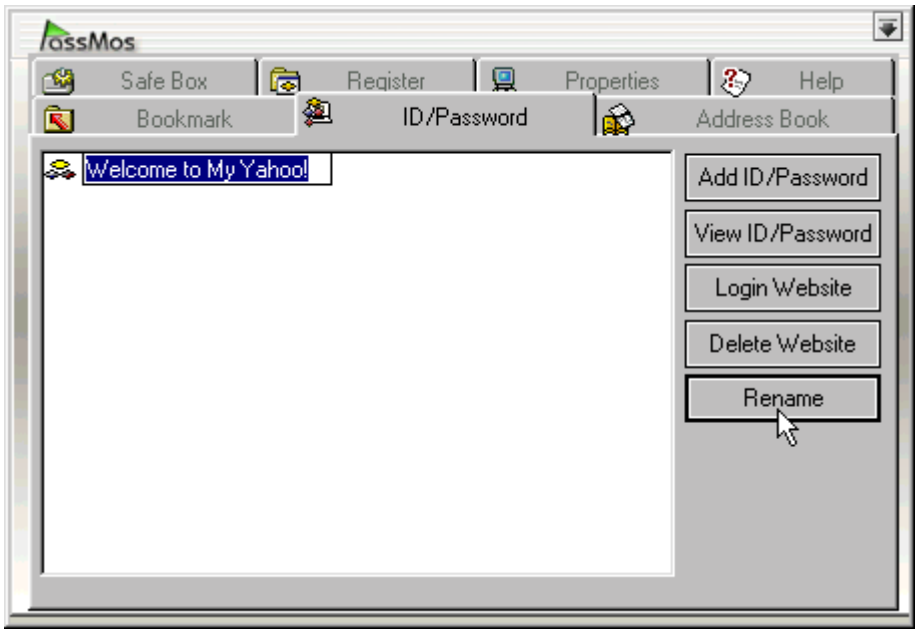


Rename

1. Select a web site and click 'Rename' to continue the process.



2. Insert a new title and click 'Enter' key.

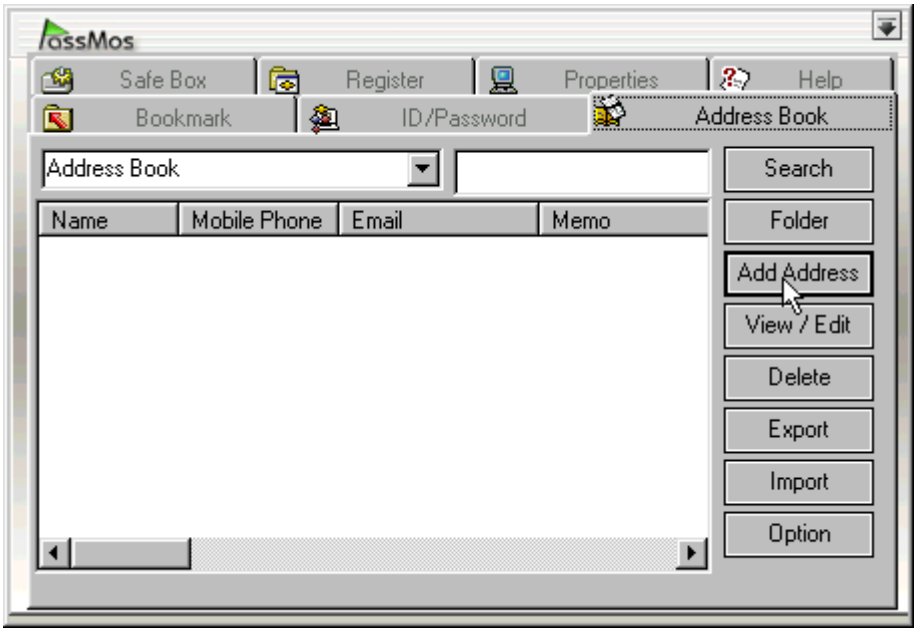


Address Book

Address Book data will be shown after fingerprint authentication.

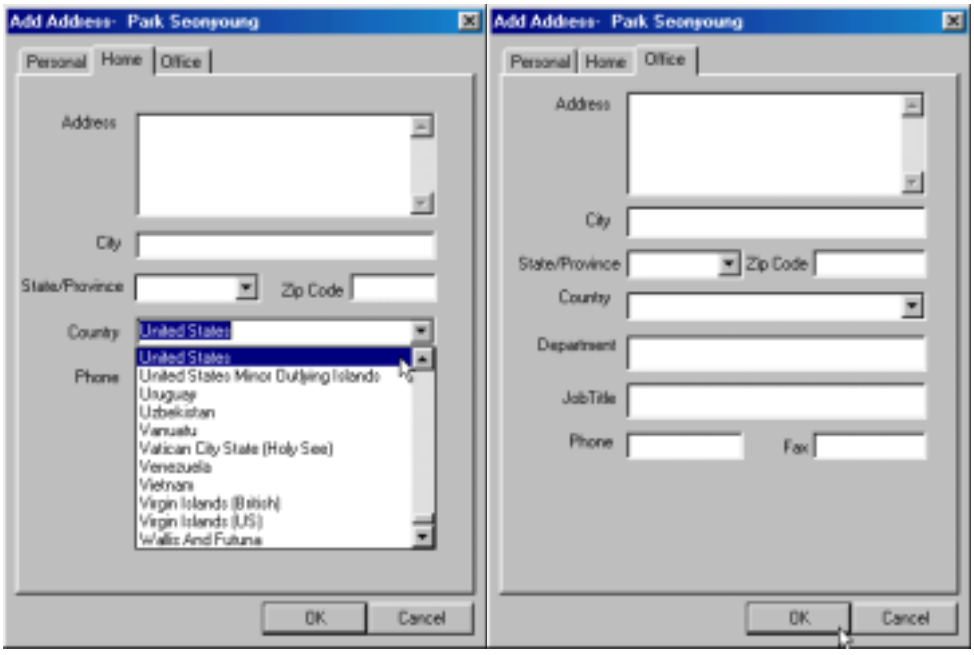
Add Address

1. Click 'Add Address' to add address to the list.



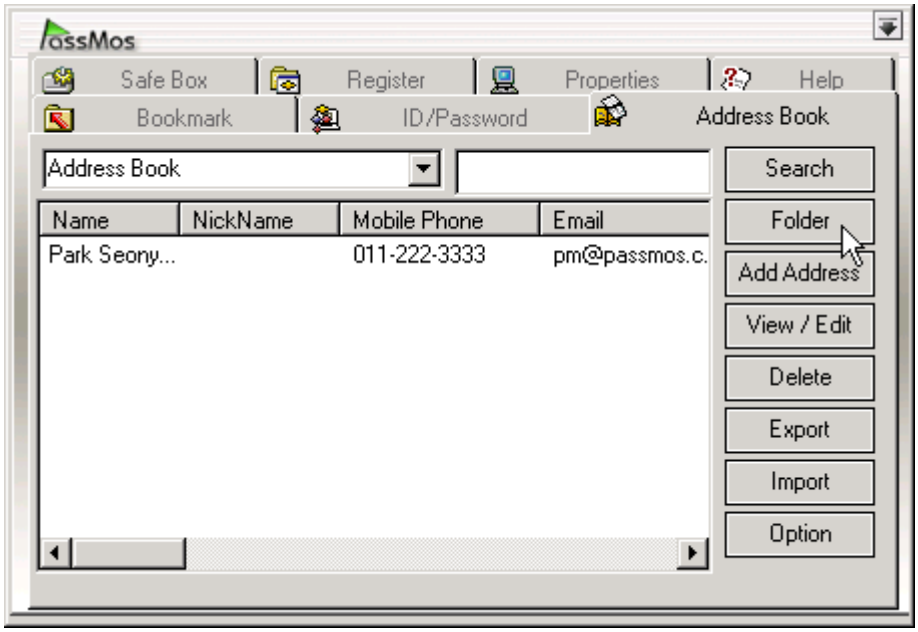
2. Fill out the form. Name must be filled to complete process.

In Home and Office sections, State/Province will be provided only when Korea or United States are selected. Otherwise, a user has to fill out.

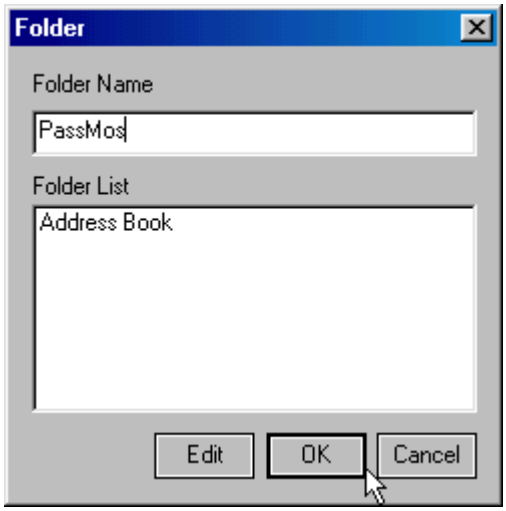


Folder

1. Click 'Folder' to create a folder.

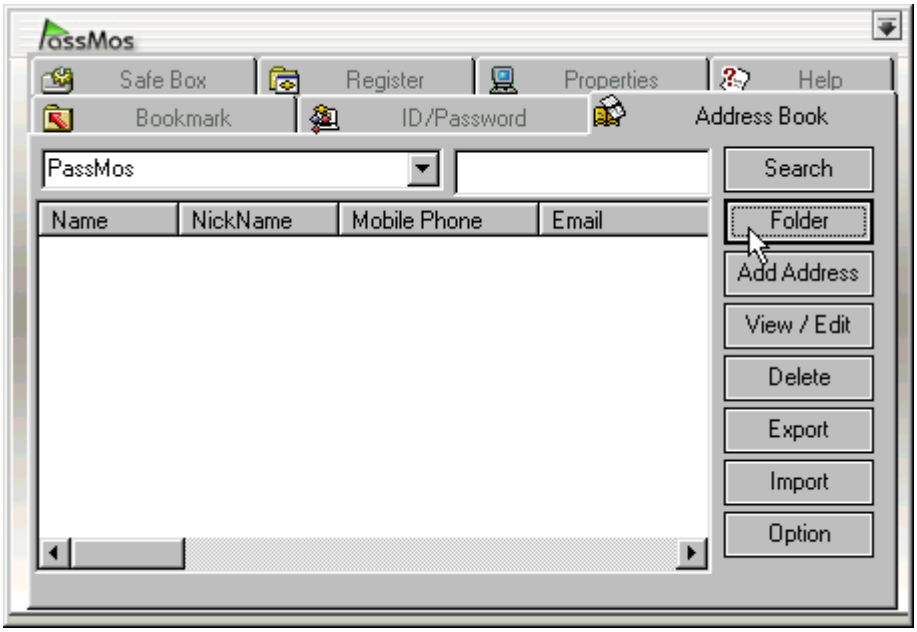


2. Insert a new folder name then click 'OK'.

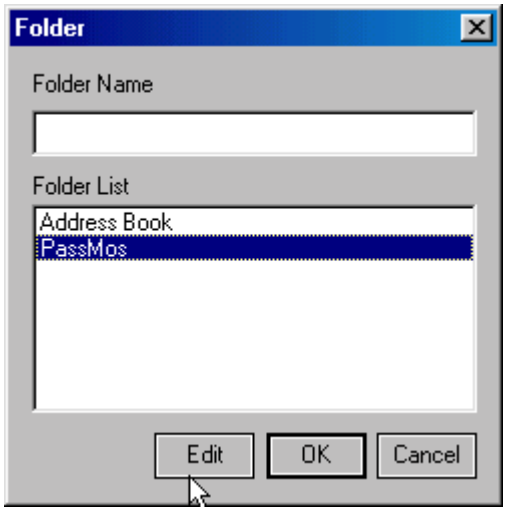


3. Created folder.

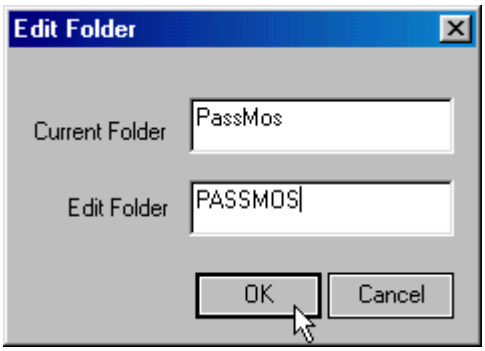
4. Click 'Folder' to begin folder edit.



5. Select a folder then click 'Edit'.

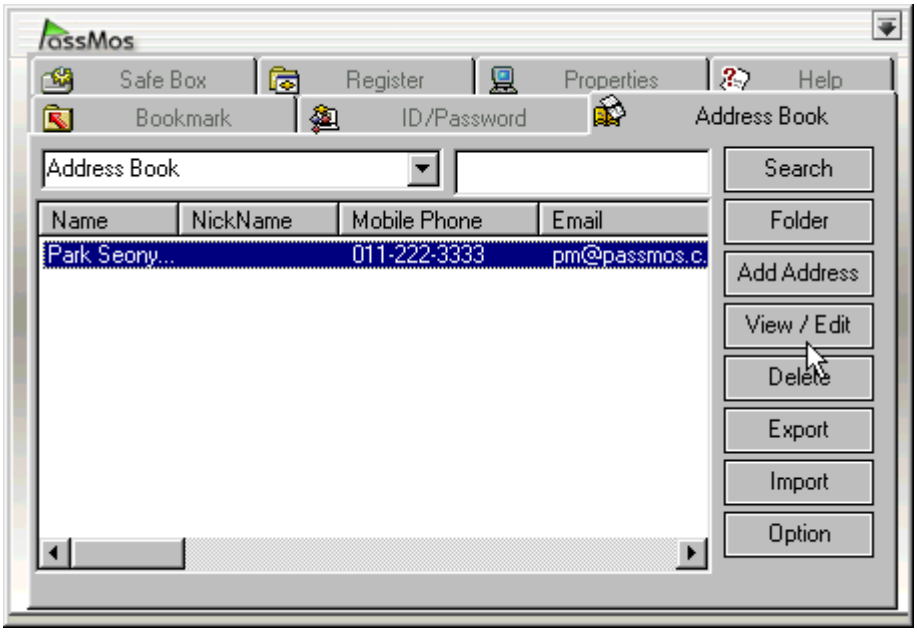


6. Insert a new name in the 'Edit Folder' field then click 'OK'. Folder name can not be duplicated.



View/Edit

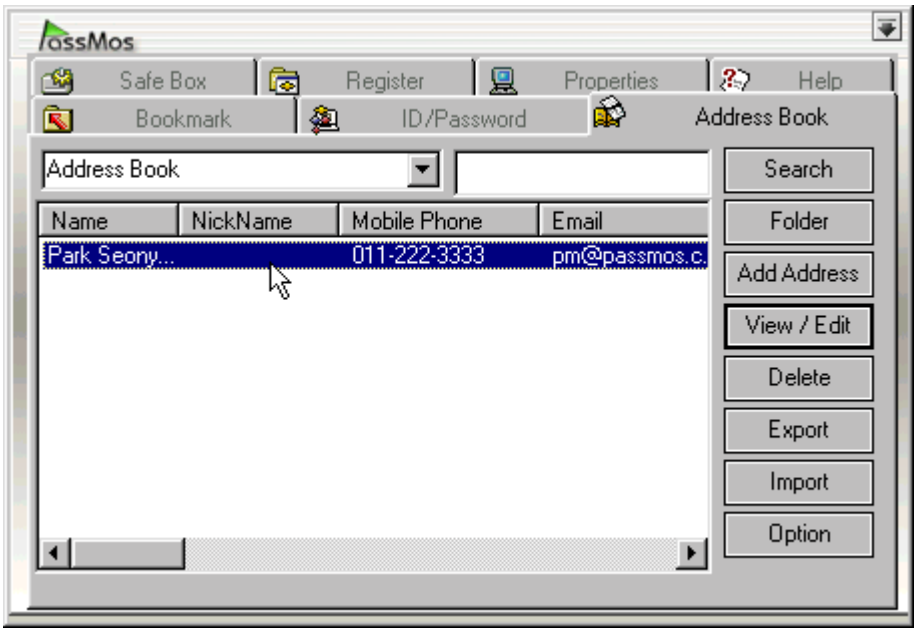
1. Select an address from the list then click 'View/Edit' to make changes.



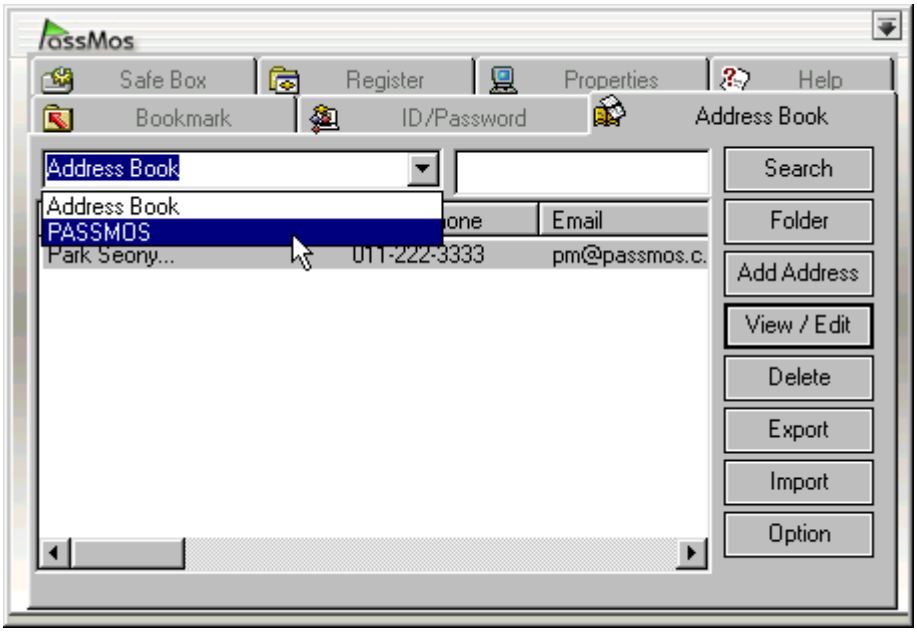
2. Click 'OK' to save the changes.

List Address Book

1. The list will organized alphabetically ascending by name. Double click an address then the detail information will be displayed.

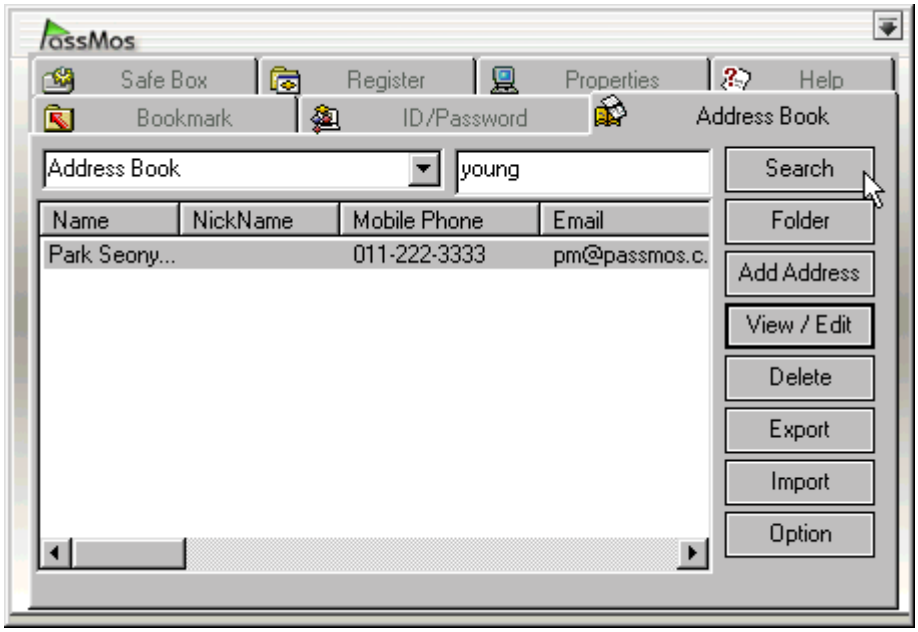


2. When a folder selected, the containing address will be listed.

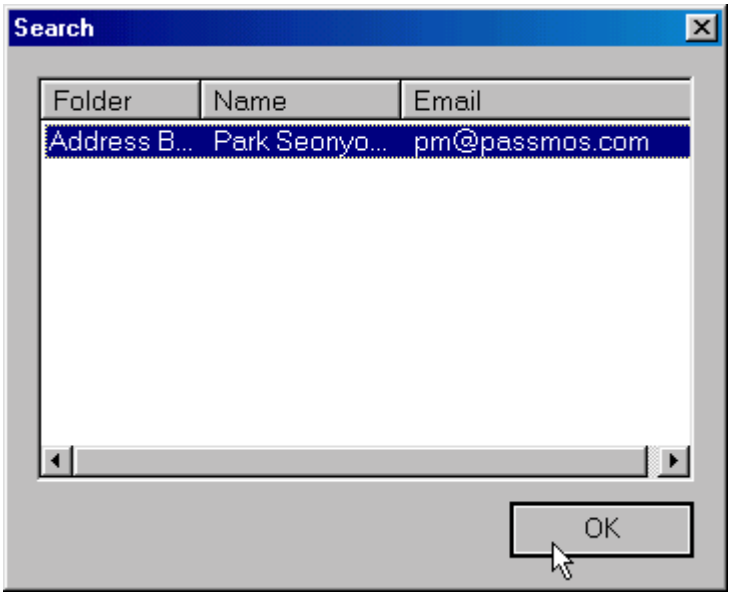


Search

1. Insert a keyword then click 'Search' to begin.

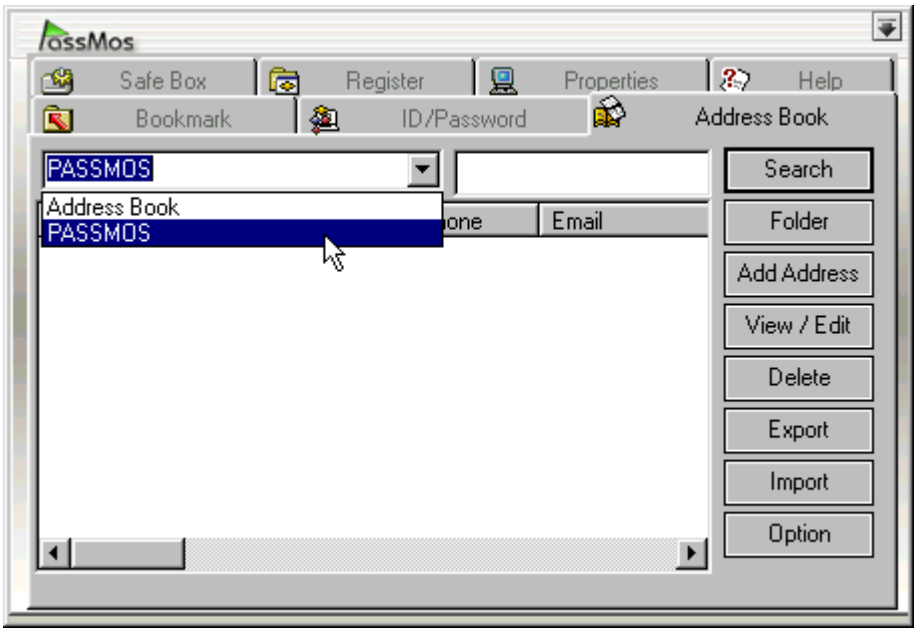


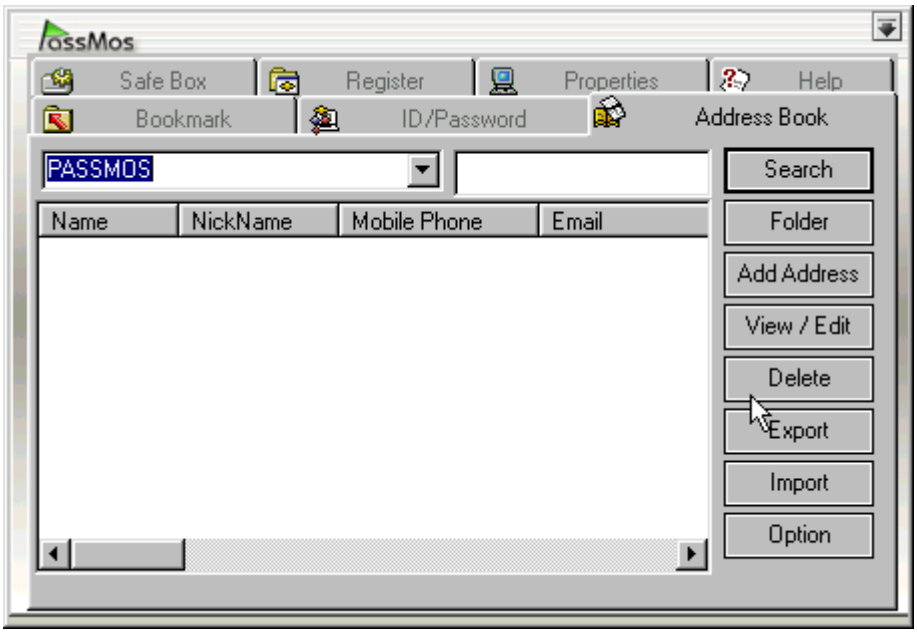
2. The search result will be shown. Select an address then click 'OK'.



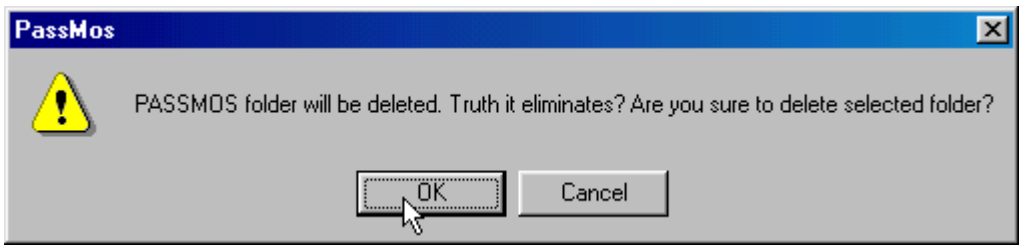
Delete

1. Select a folder from the dropdown menu and click 'Delete'. Provided 'Address Book' folder can not be deleted.

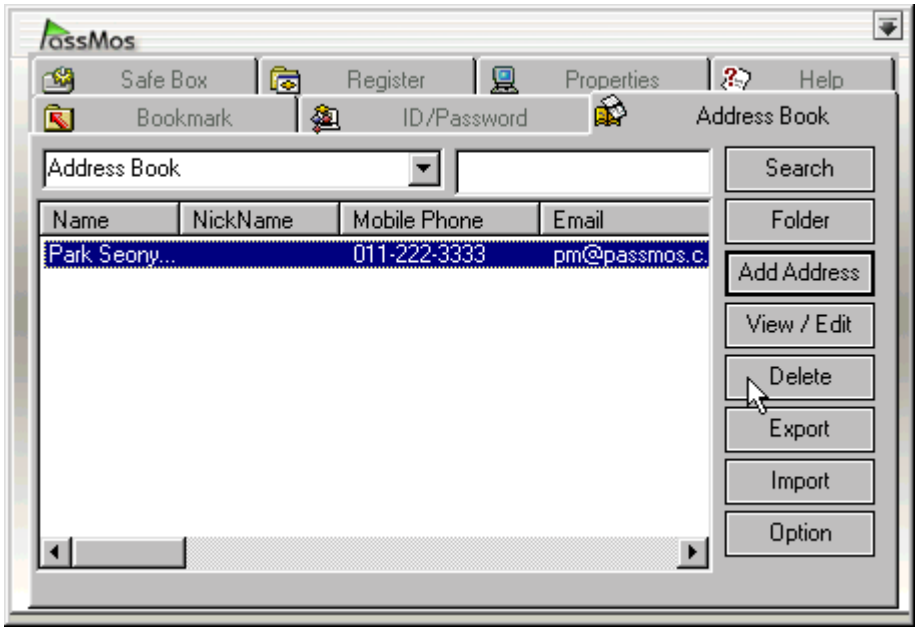




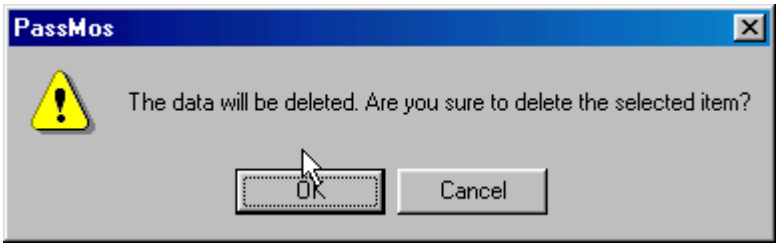
2. Confirmation dialog box will appear after fingerprint authentication. Click 'OK' to continue. All the containing address will be deleted when a folder is deleted.



3. Select an address from the list then click 'Delete'.

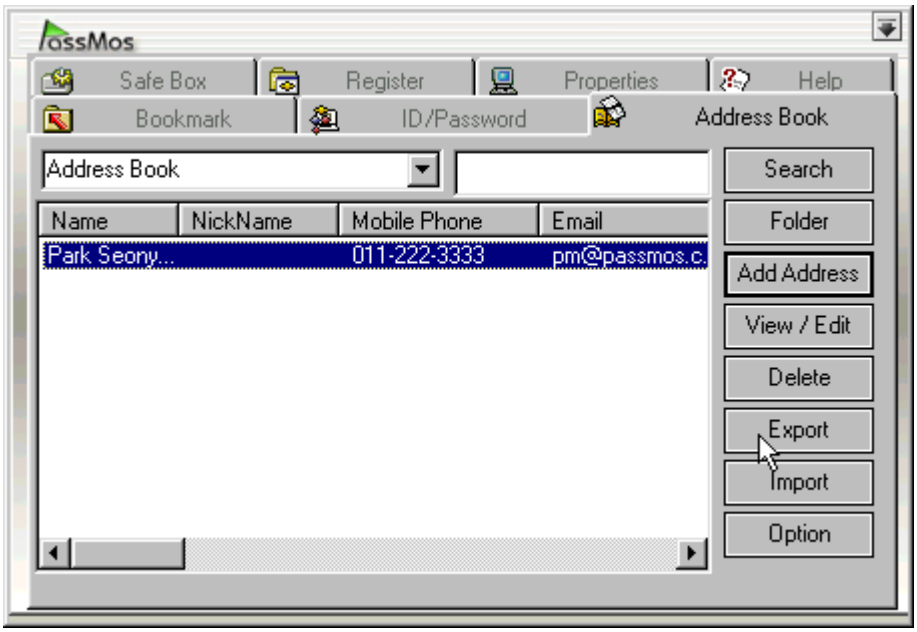


4. Confirmation dialog box will appear after fingerprint authentication. Click 'OK' to continue.

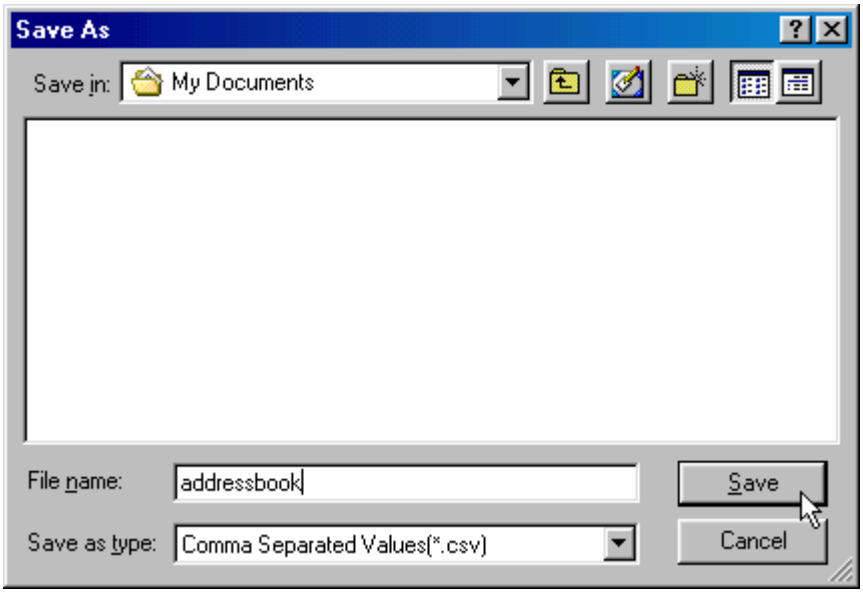


Export

1. Address Book data will be exported to other system as Outlook or Outlook Express comparable file. Click 'Export' to continue.

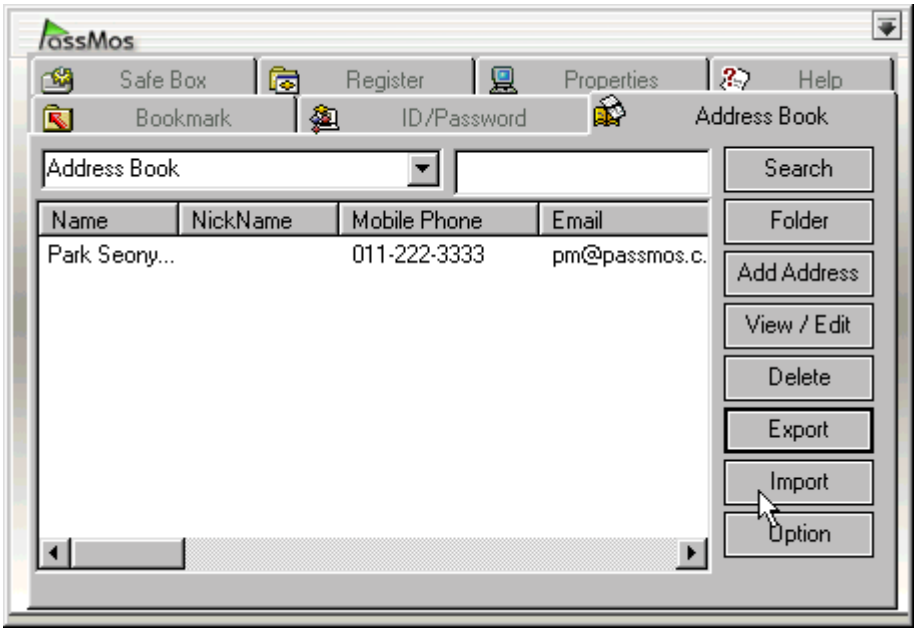


2. After fingerprint authentication, select a directory to export and insert a new file name then click 'Save'.

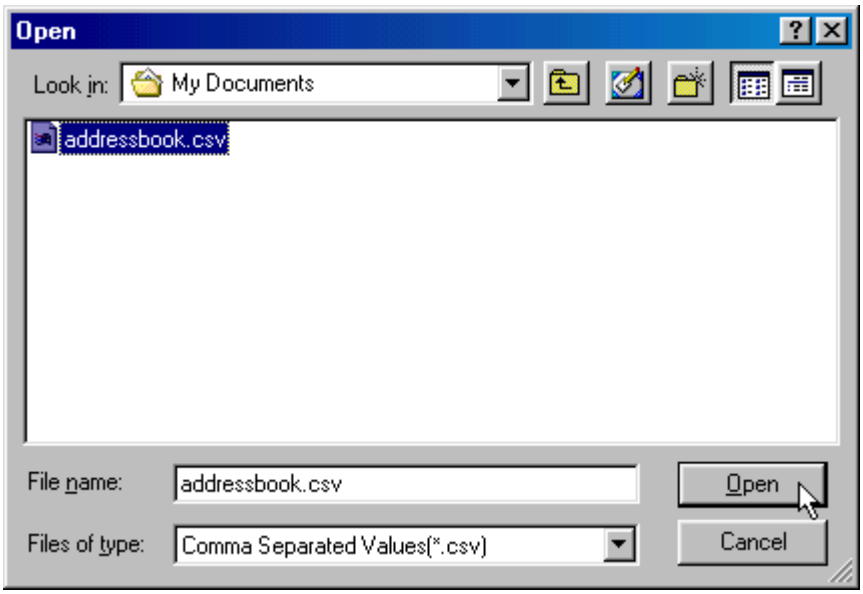


Import

1. Importing exported CSV format file. Click 'Import' to continue.

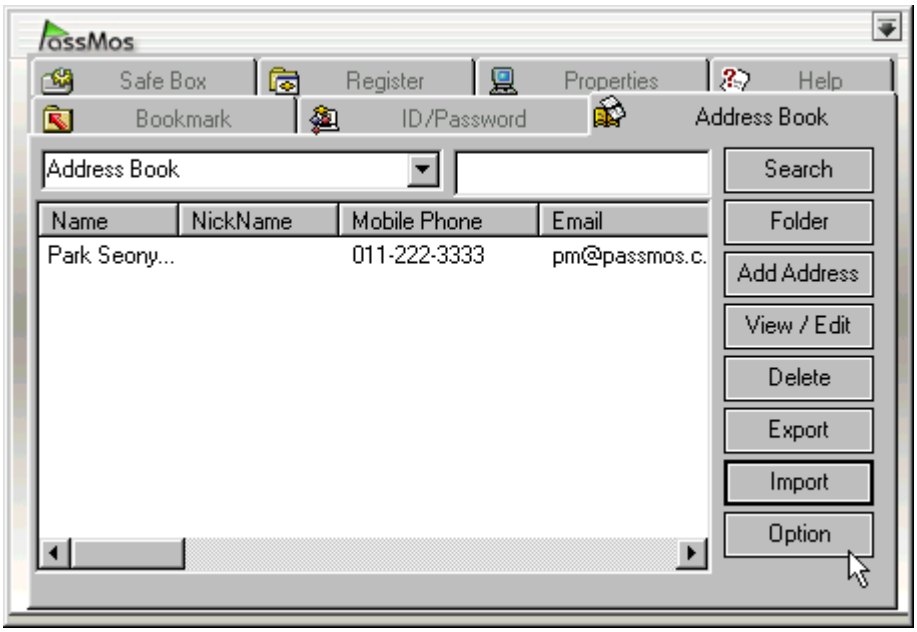


2. After fingerprint authentication, select a file to import then click 'Open'.

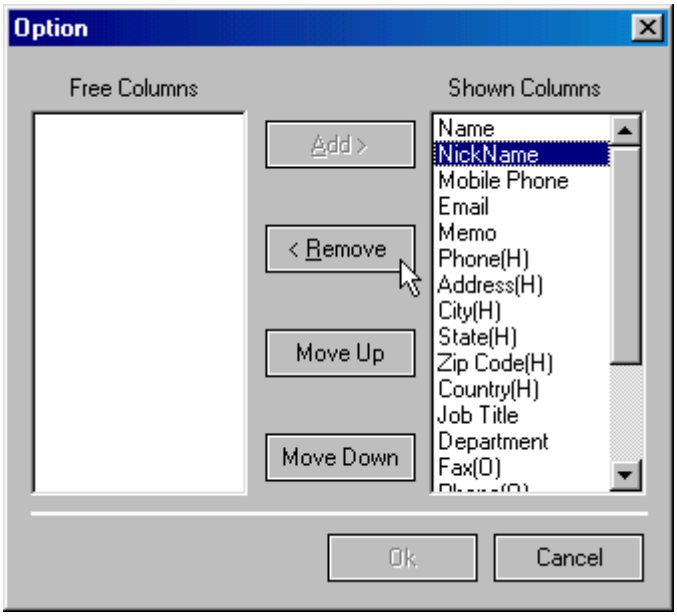


Option

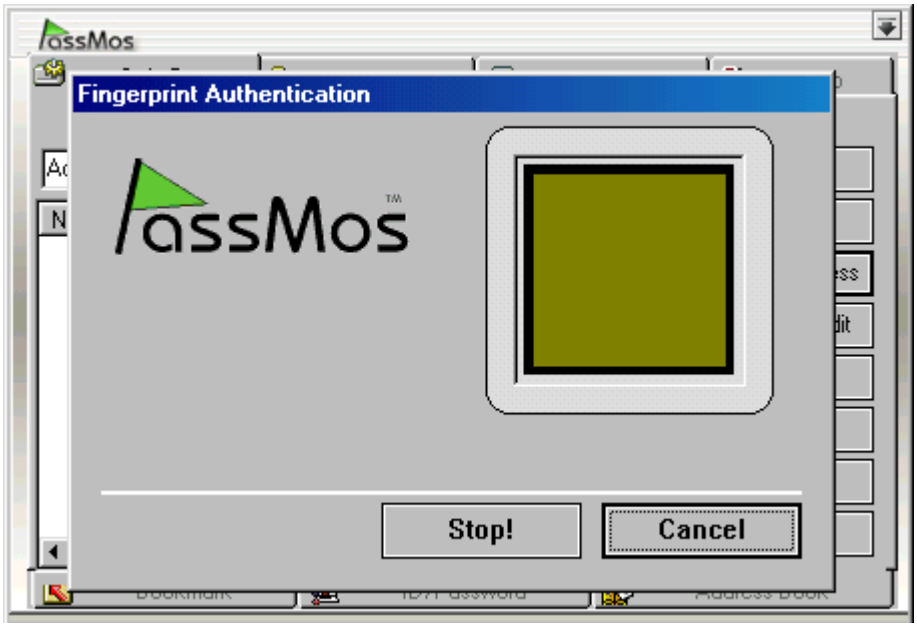
1. Column type and order can be modified by clicking 'Option'. The first column ('Name' column) can not be edited.



2. Select fields by clicking 'Add' and 'Remove' then use 'Move Up' and 'Move Down' to change the order.



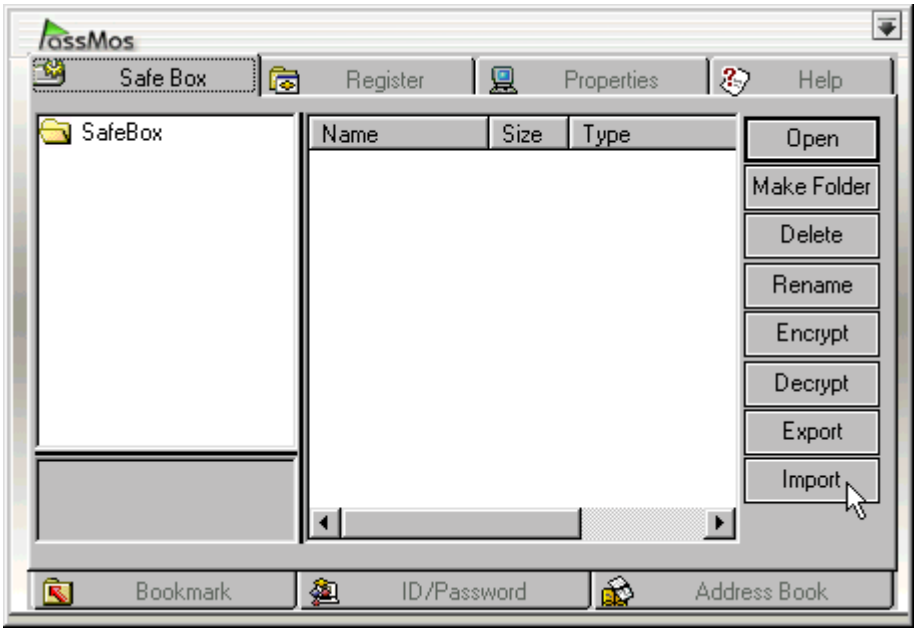
Safe Box



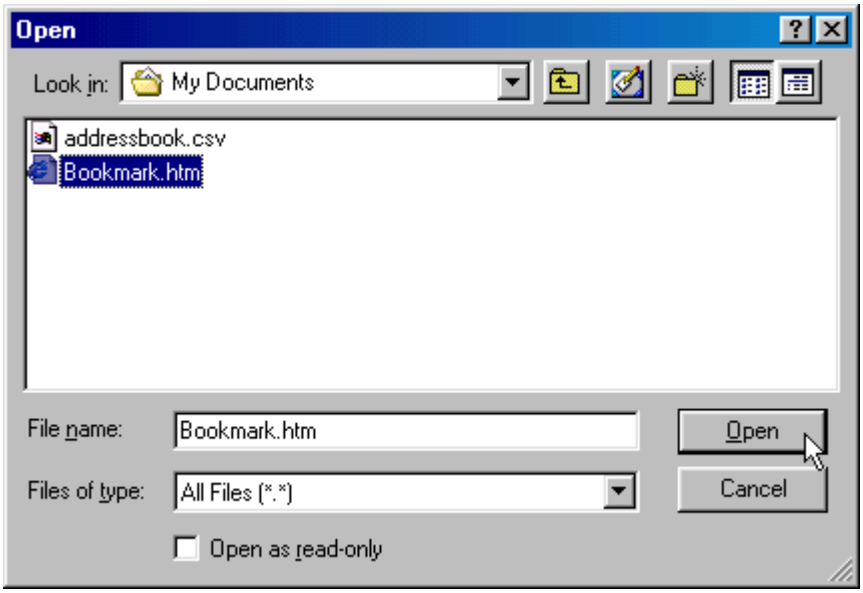
Select 'Safe Box' then fingerprinting will be required.

Import

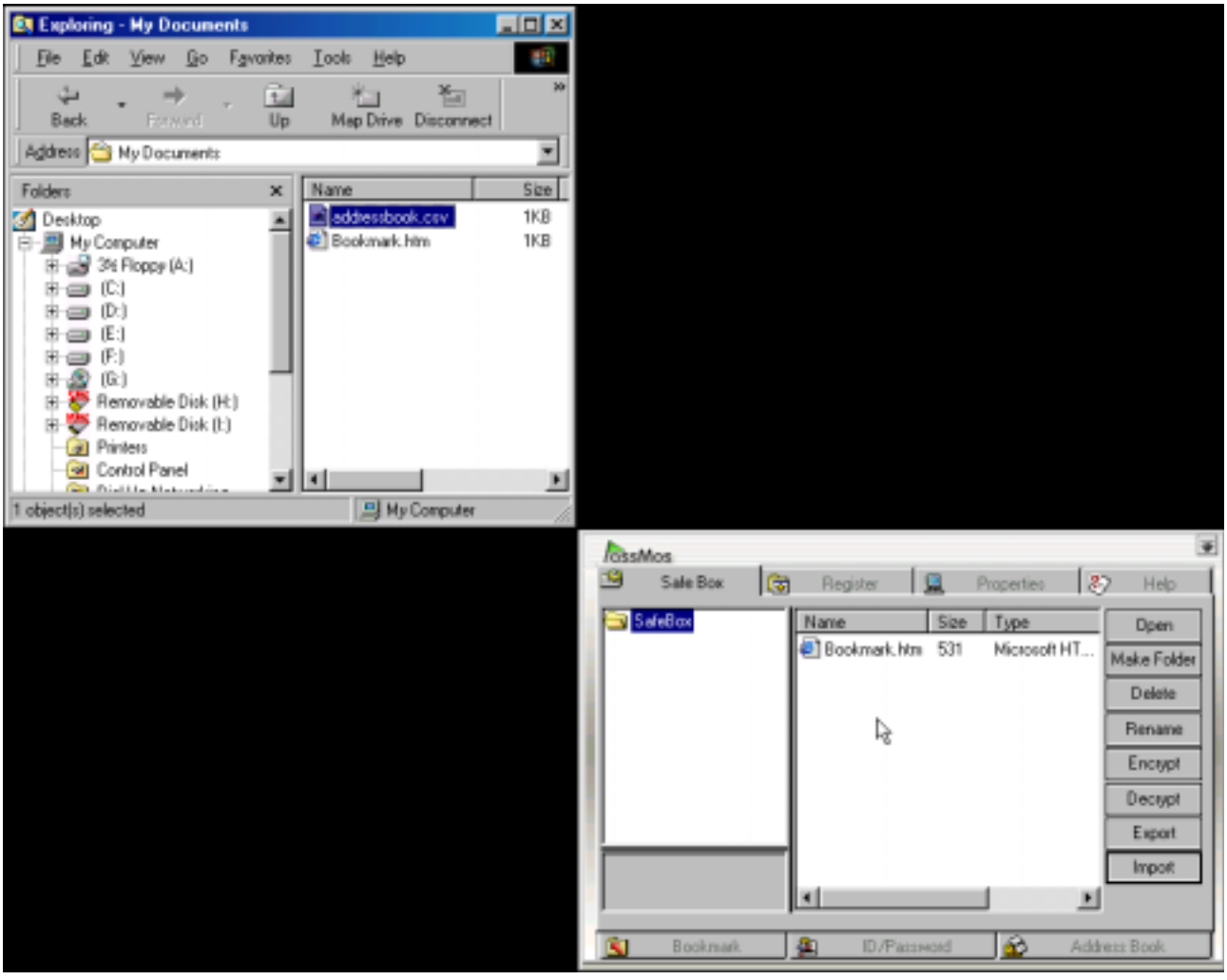
1. Click 'Import' to bring data from other system.



2. After fingerprint authentication, select a file to import then click 'Open'.

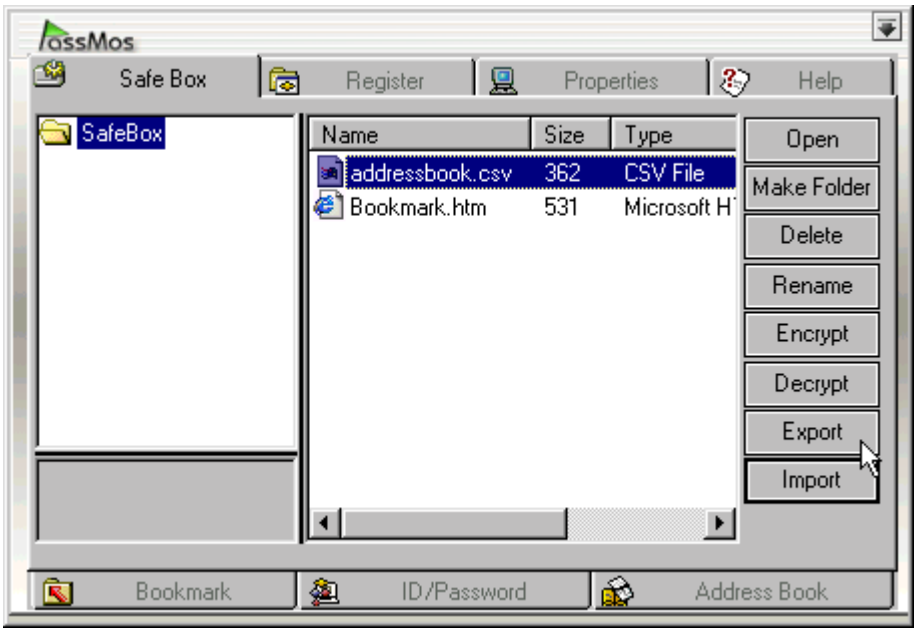


3. User can move files by using Drag and Drop function as pictures below.

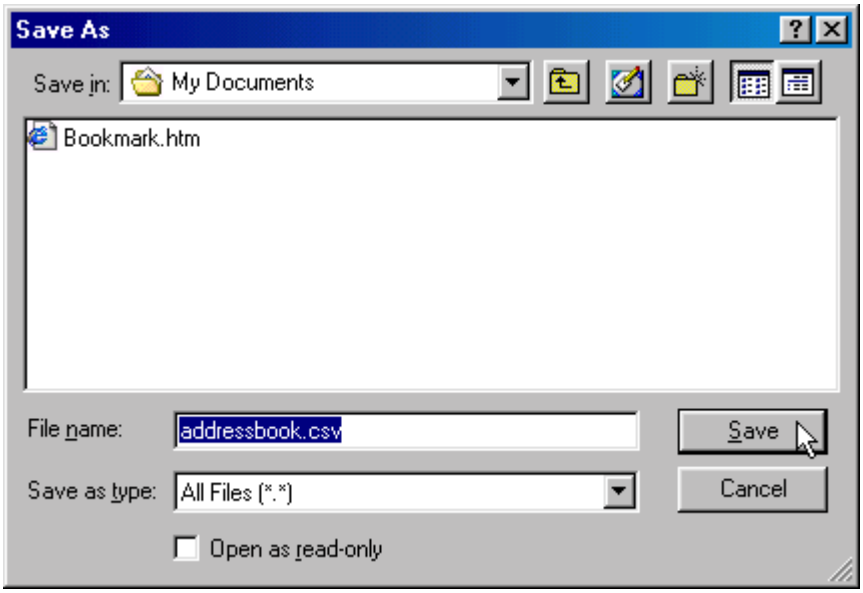


Export

1. Select a file then click 'Export'. Decrypt files before export. If the file is not decrypted, it cannot be used in Windows Applications.



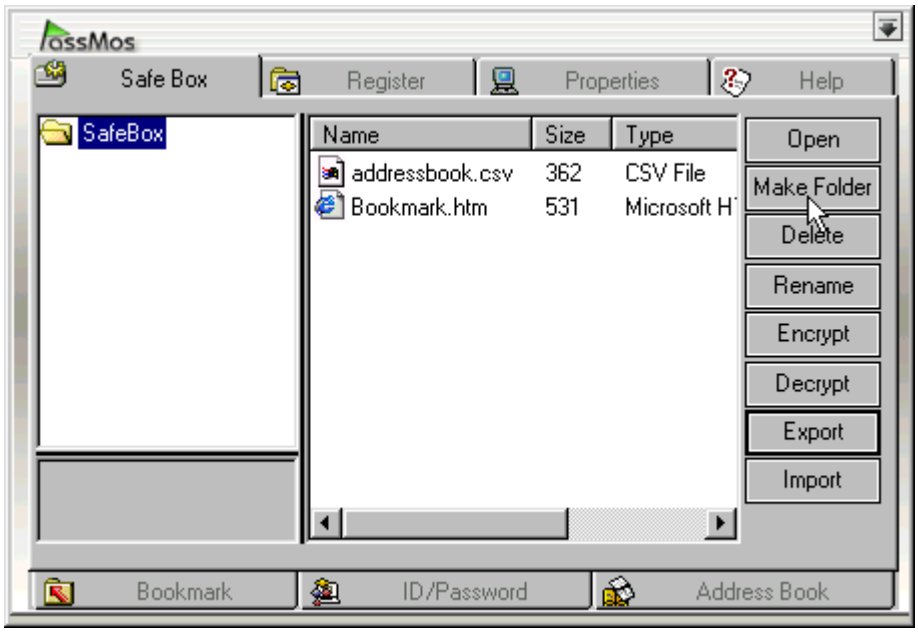
2. Select a directory to export then click 'Save'.



3. Move files and folder by using Drag and Drop function from Windows Explorer.

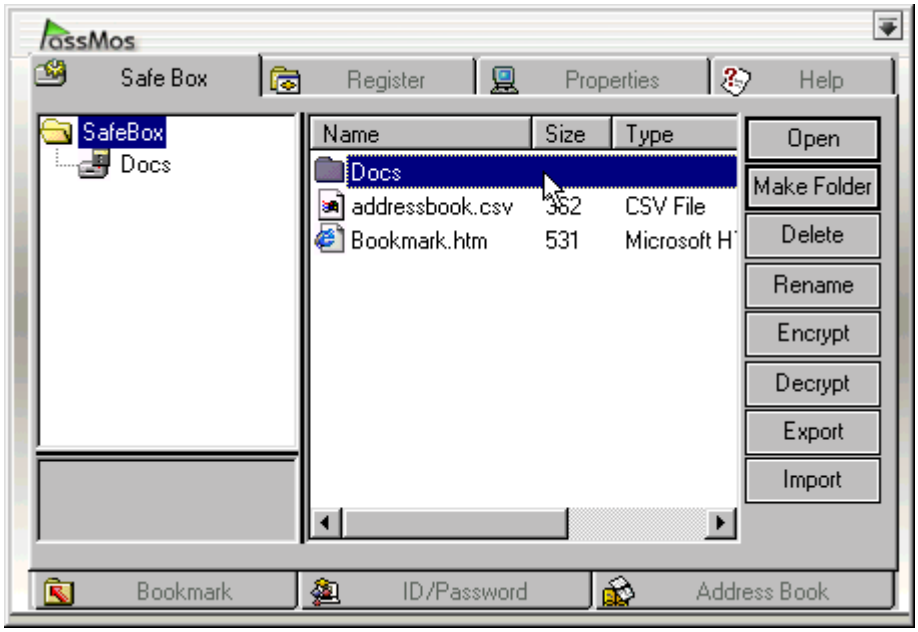
Make Folder

1. Place a cursor to create a folder then click 'Make Folder'. Insert a new folder name then click 'Enter'.

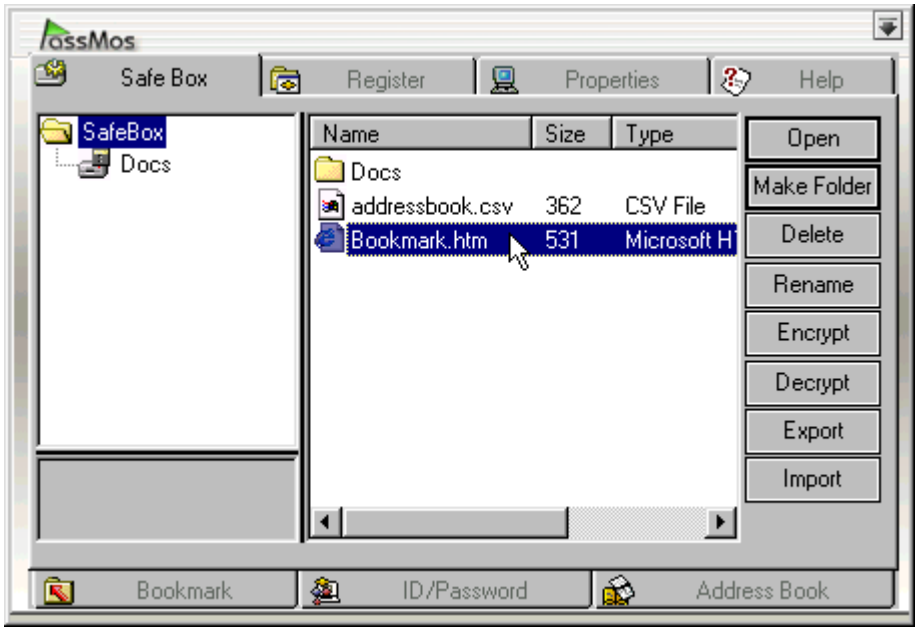


List

1. Double click a folder from the list to open.

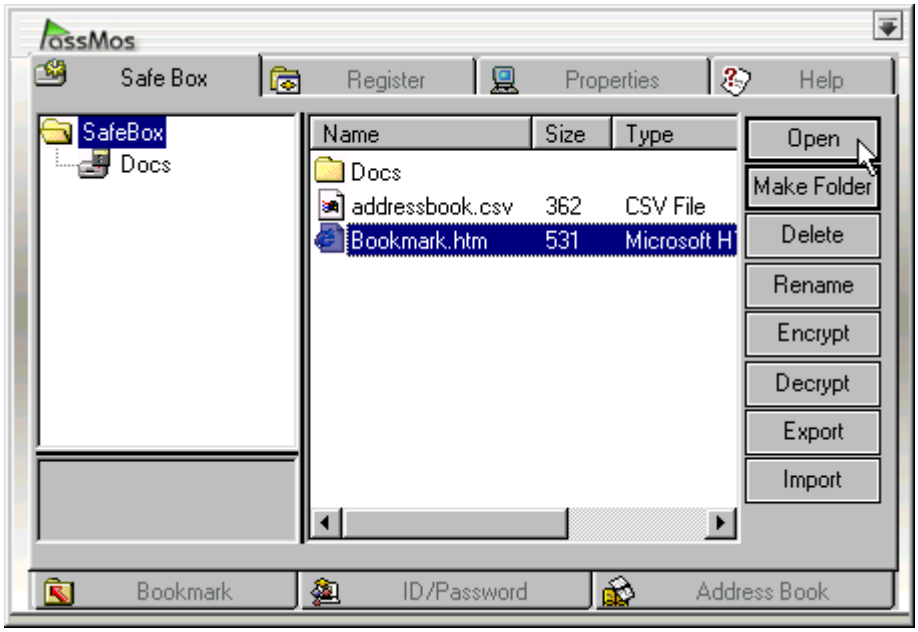


2. Saved files in Safe Box will not be opened in the Windows Applications.



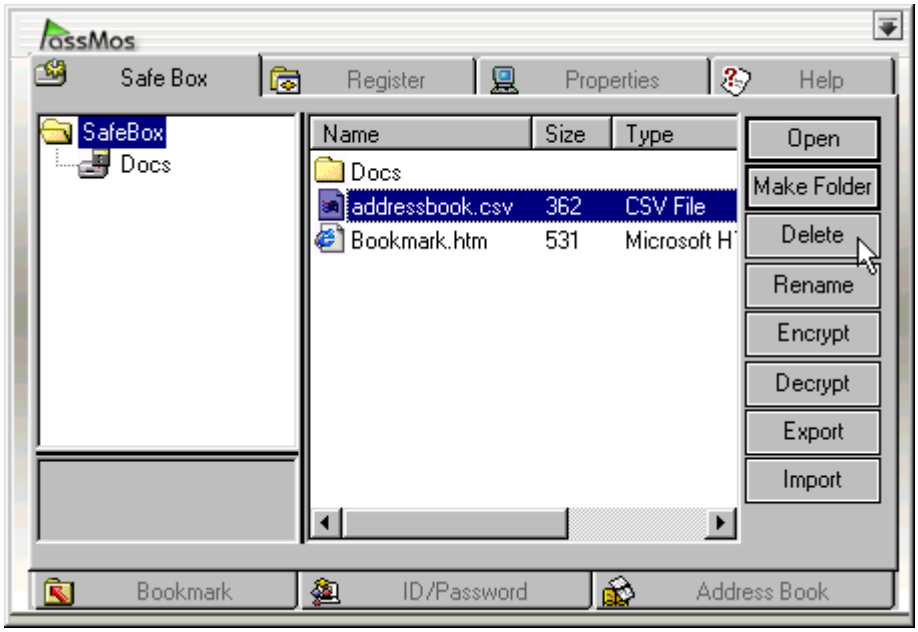
Open

1. Select a file then click 'Open'.

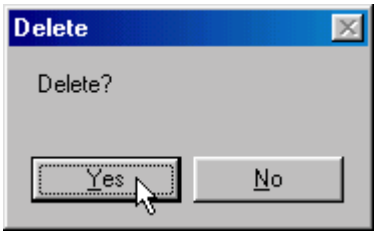


Delete

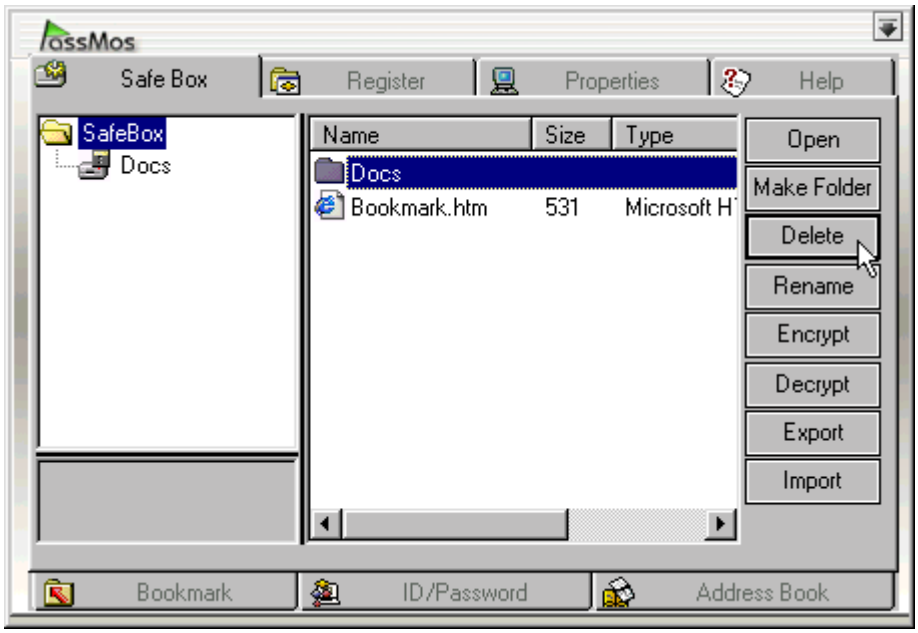
1. Select a file or a folder then click 'Delete'.



2. After fingerprint authentication, click 'Yes' to continue.



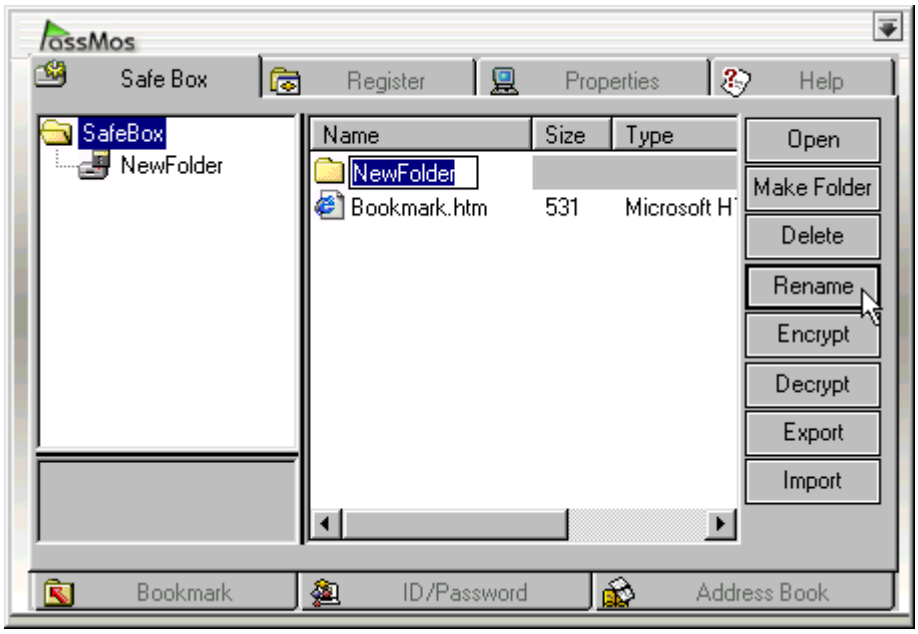
3. If a folder is deleted, the containing data will be deleted.

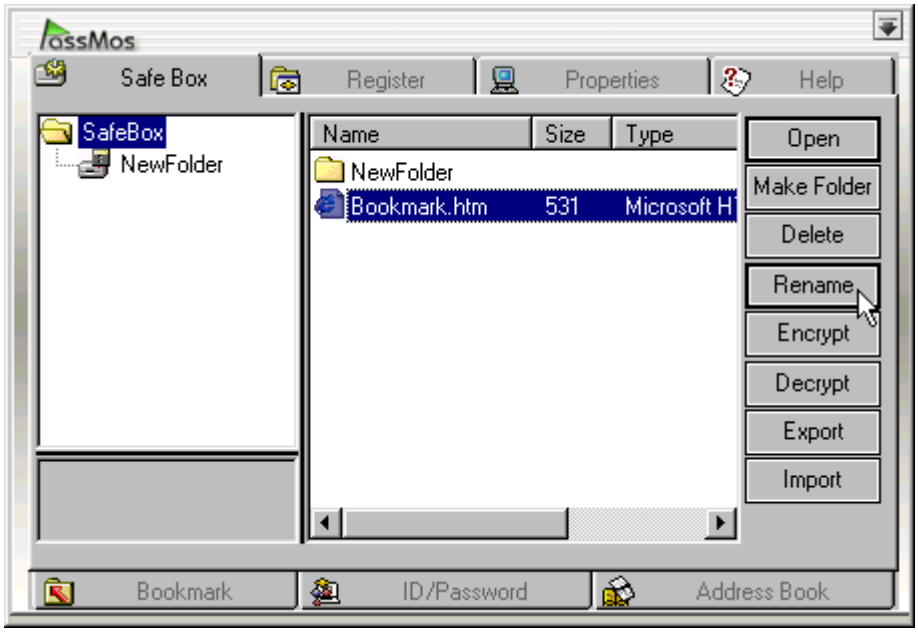


4. The data will be deleted after fingerprint authentication.

Rename

1. Select a file or a folder then click 'Rename'.

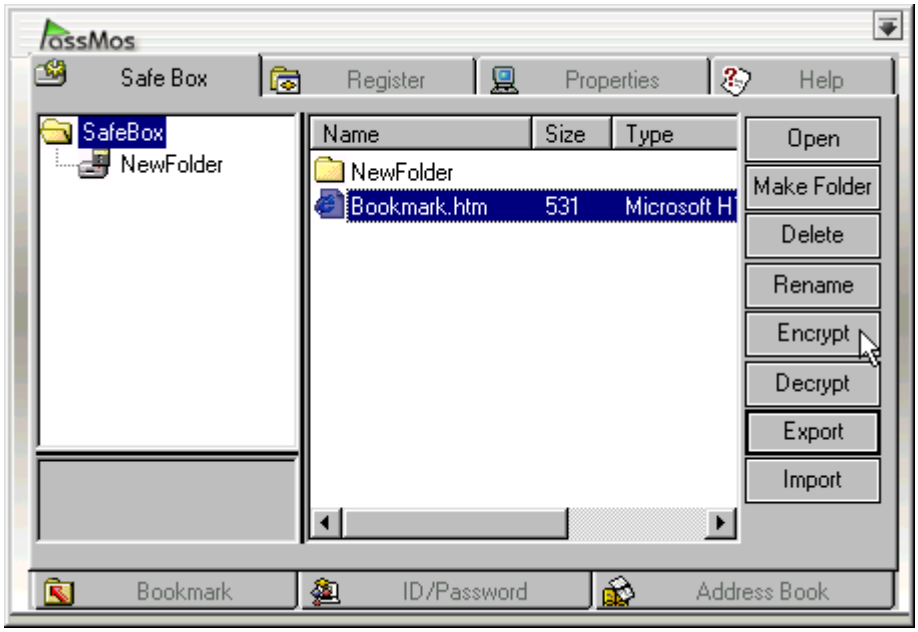




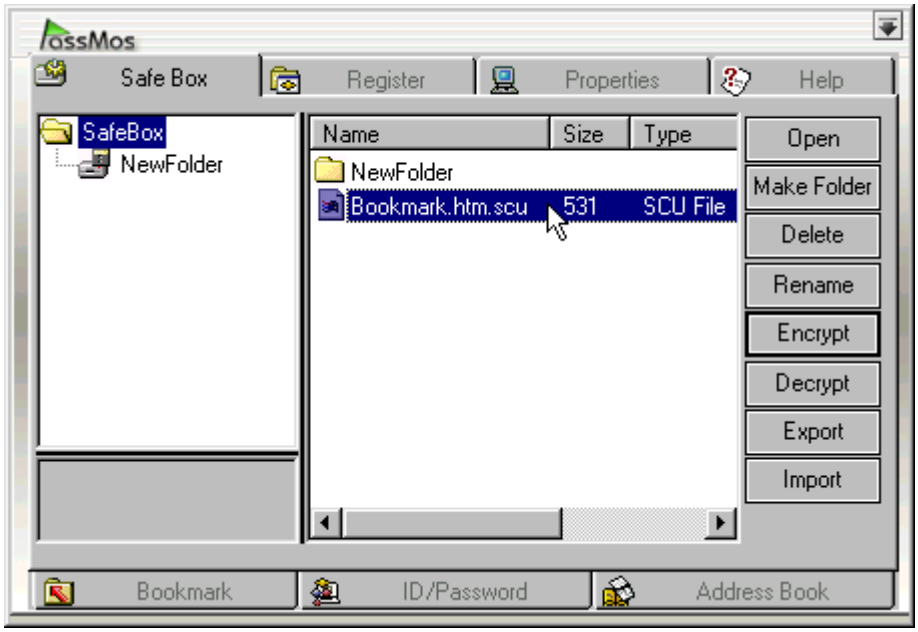
2. If file format is modified, the file will not be opened.

Encrypt

1. Select a file then click 'Encrypt'. Encryption is applied only for data stored in Safe Box.

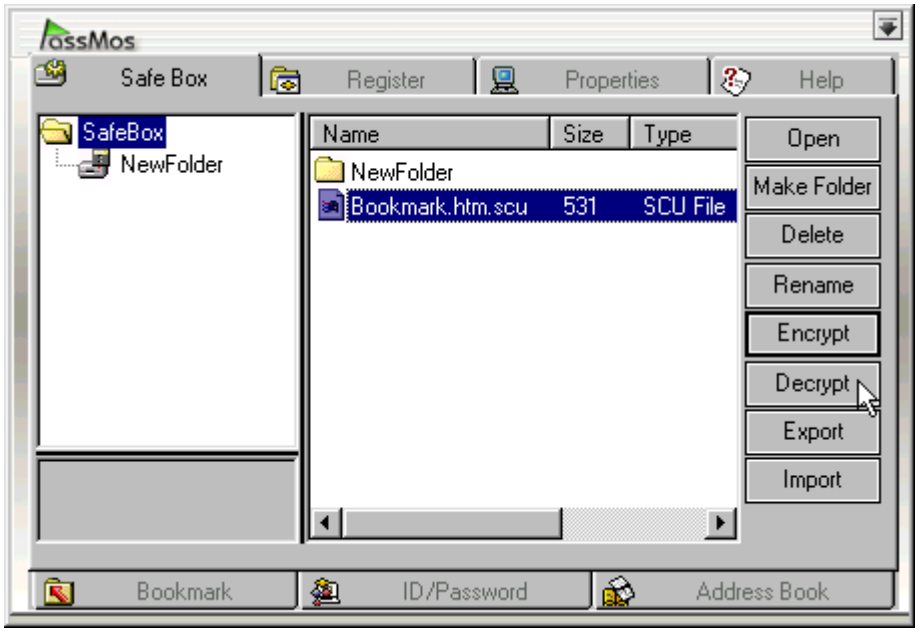


2. Encryption will begin after fingerprint authentication. File format extension will be changed to SCU after encryption.

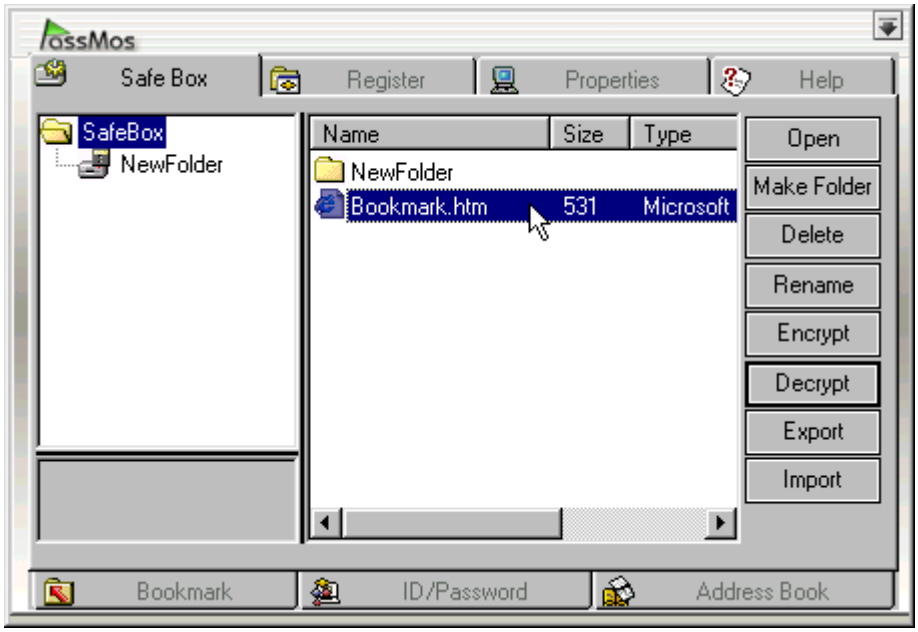


Decrypt

1. Select a file then click 'Decrypt'. Decryption is applied only for data stored in Safe Box.



2. Decryption will begin after fingerprint authentication. The file will return to the same file format extension as before encryption. A file can not be decrypted if it is already decrypted.



Properties

Export

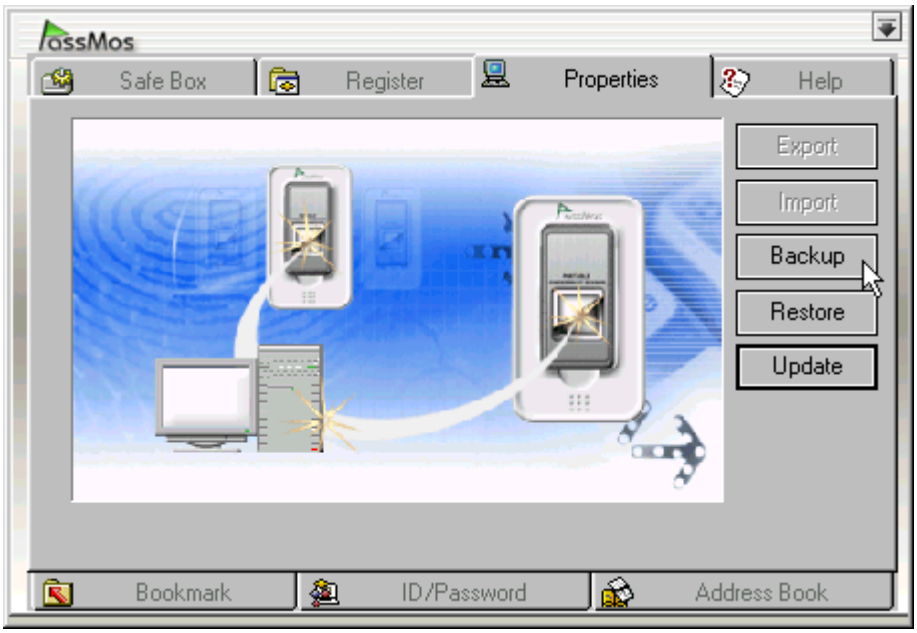
1. Function for between PassMos and the extendable storage(MMC).

Import

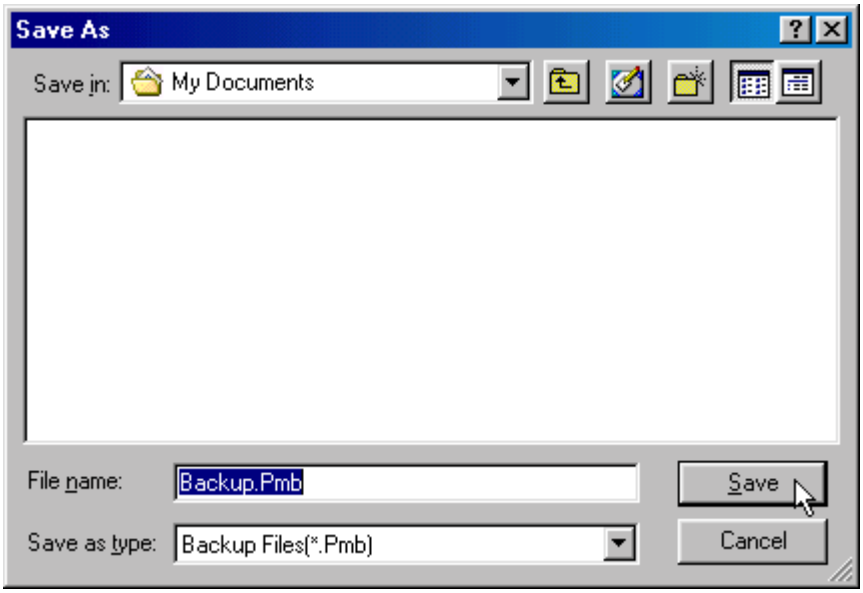
1. Function for between PassMos and the extendable storage(MMC).

Backup

1. Backup data from PassMos to other system (or device). All data will be encrypted and sent as one file.

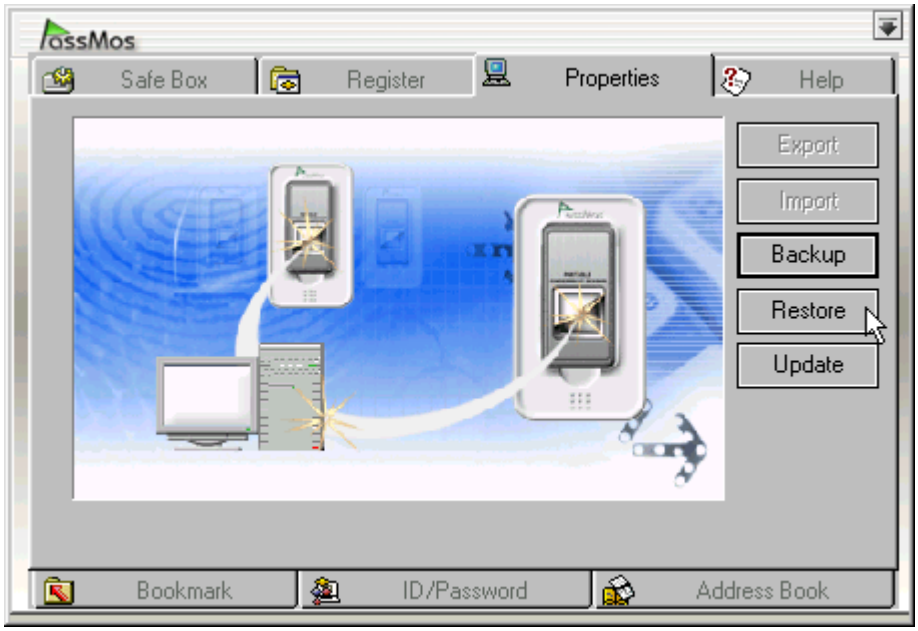


2. Select a directory to Backup and click 'Save' to begin backup.

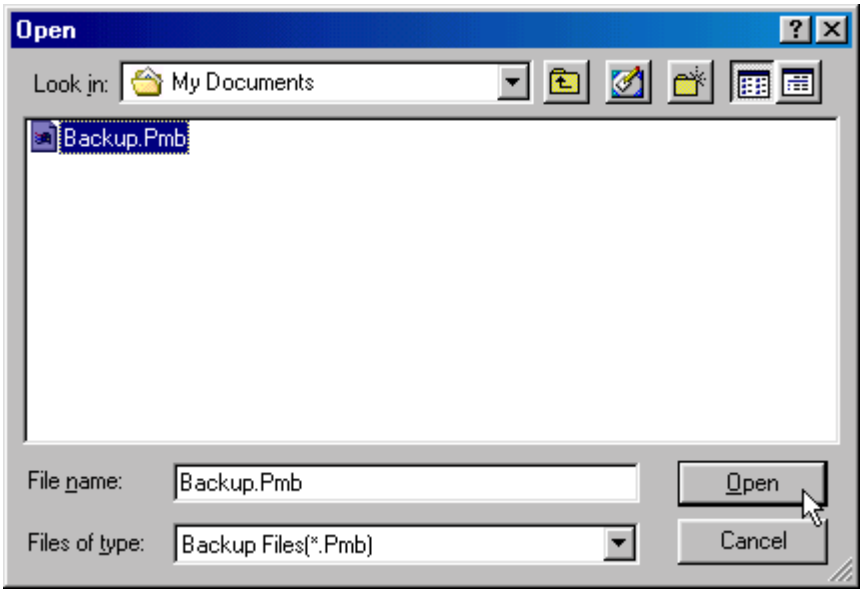


Restore

1. Click 'Restore' to recover (import) data from other system (or device) to PassMos.

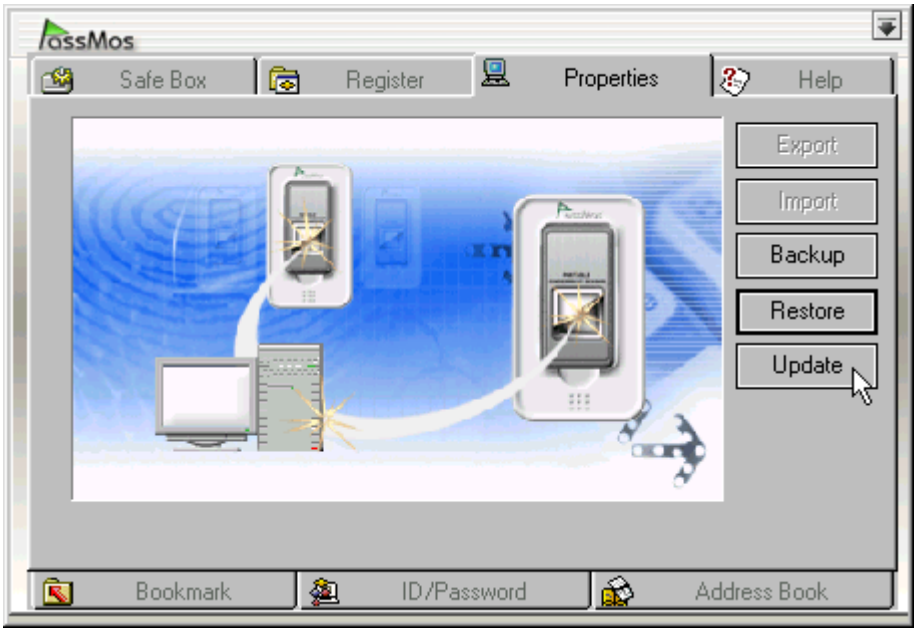


2. Fingerprinting will be required to begin. Select a target directory to restore then click 'Open' to continue.



Update

1. Online Update – Downloading software and files. News letters.



Help

Version

1. PassMos version information.

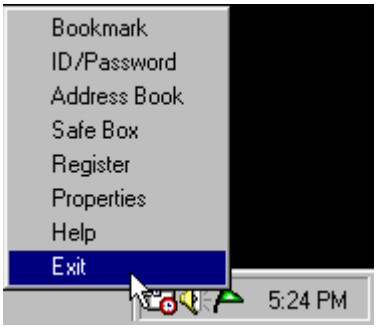
Help

1. Click 'Help' to display the online user help.

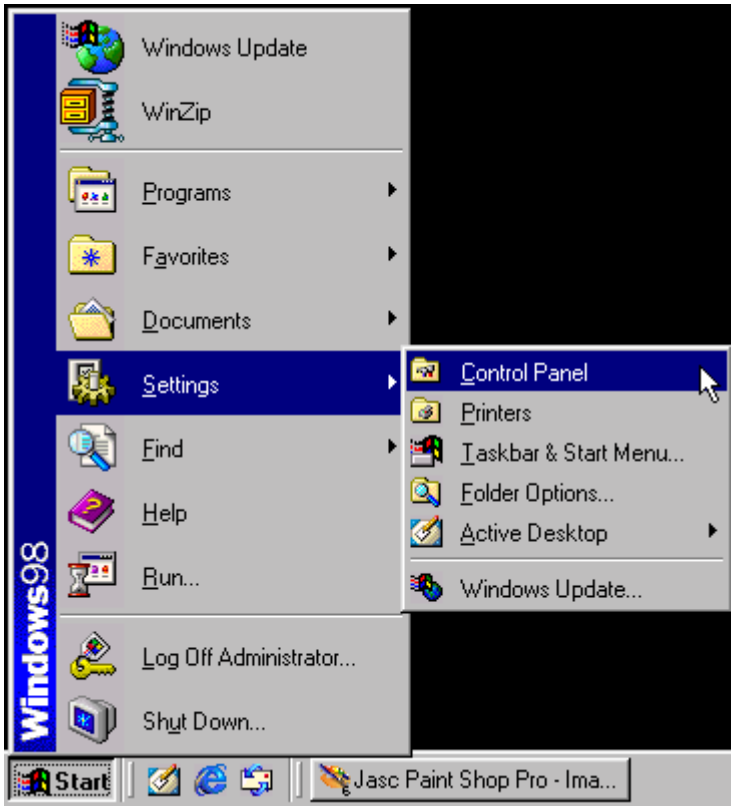
PassMos Program Uninstall

On My System

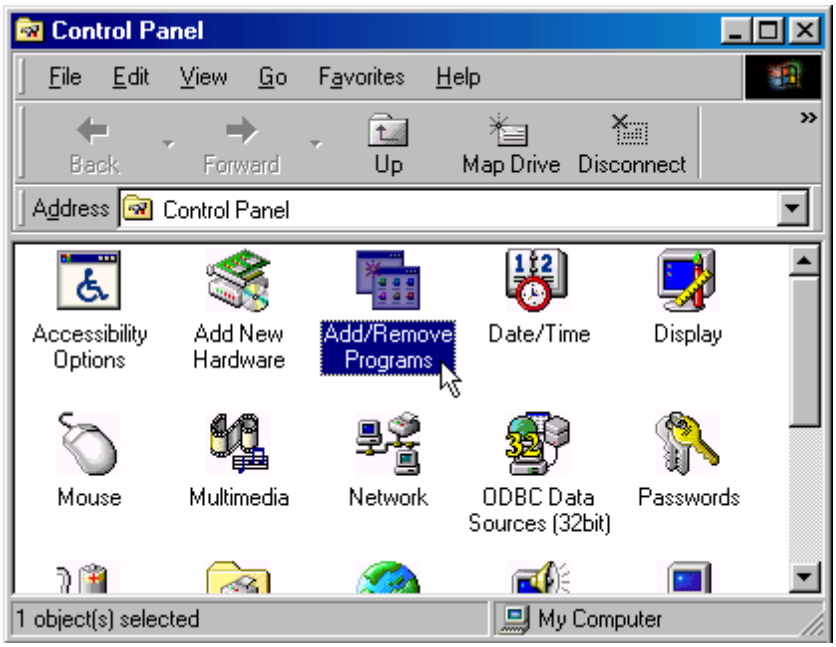
1. Select from the status bar and select 'Exit' to exit the program.



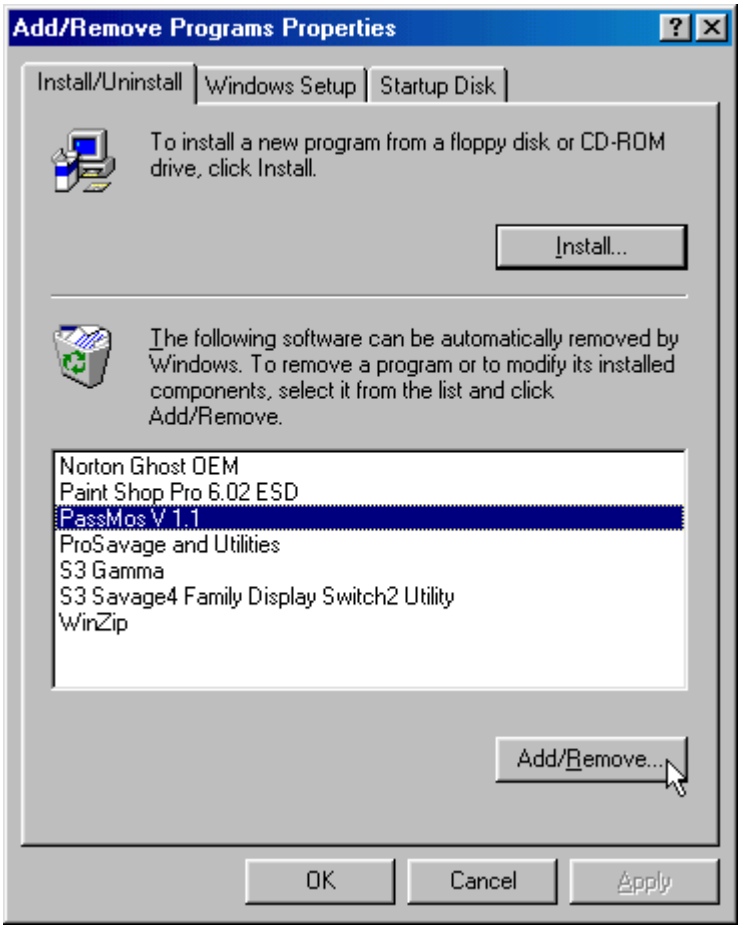
2. Go to 'Control Panel'. (Start/Settings/Control Panel)



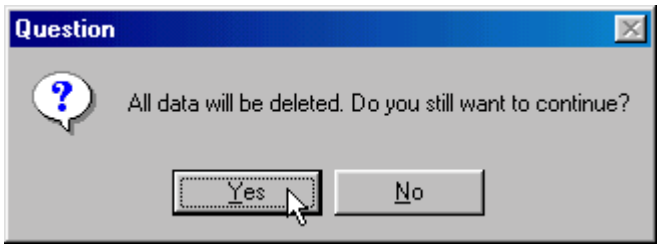
3. Control Panel – Select 'Add/Remove Programs'.



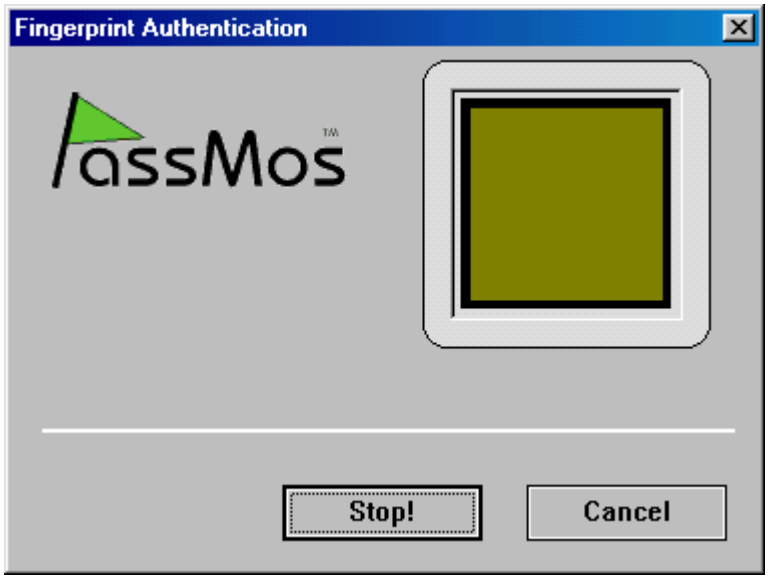
4. Select PassMos program and click 'Add/Remove'.



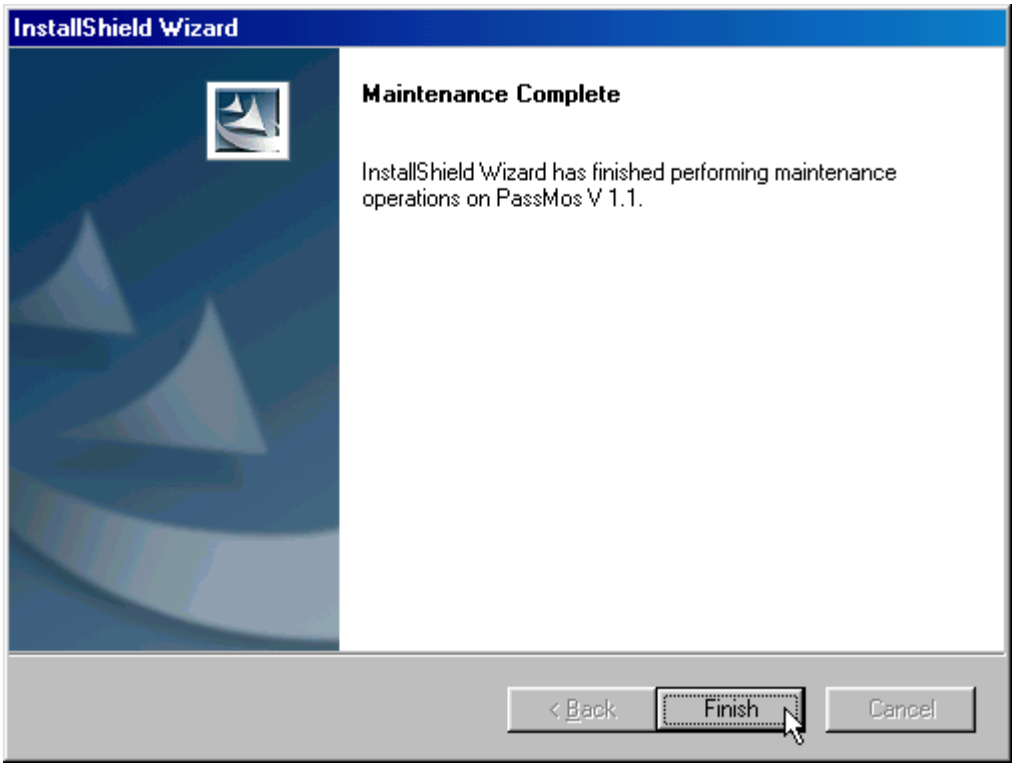
5. Click 'Yes' to delete users' information and data or 'No' to uninstall the PassMos program only.



6. The Master User's fingerprint will be required to delete users' information and data.



7. Click 'Finish' to complete the uninstallation process.



On Other System

1. Exit from the PassMos application.

2. Make sure data is not transferring then unplug USB cable form the system. The uninstall process is completed.

PassMos Support

Support Center

- **Address:** 5th Floor Daesan Building 901-44 Daechi-Dong, Kangnam-Gu, Seoul, Korea
- **Phone:** +822-569-5214
- **Fax:** +822-569-2373

Customer Service

PassMos Web Sites

- http://www.passmos.com
- http://www.passmos.co.kr

PassMos Customer Service Center

- **Customer Service:** +822-569-5214
- **Hours:** 10:00 a.m. - 05:00 p.m. (Mon-Fri)

Product Warranty

First we want to show our appreciation for your purchase of PassMos.
PassMos is the result of the effort and the precision of our members of development and production line. If there is any mechanical or technical problem with the product within the product warranty period, our customer care center will recover without any charge.

Warranty Terms and Conditions

1. Within the warranty period, the product will be covered by the terms and conditions if it is operated in proper way.
2. In the following cases, a customer will pay the parts and labor even thought serviced within the warranty period.
   A. When the product was broken by non-proper operation.
   B. When the product is opened without the permission of PassMos Co., Ltd.
   C. When the product is exposed to moisture (water, liquid, etc.), heat (fire), and other natural disasters.
   D. When the product is not serviced by Permitted PassMos Service Center.

Model	
Serial No.	
Date of Purchase	__/ __/ ____ : mo/date/year
Warranty Period	One Year
Name	
Mailing Address	

Keep this record with the original receipt for the product warranty matter.

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