S-Cop2000® USB

User's Manual

for Windows 95/98

Softprotec Co.
http://www.softprotec.com

S-Cop2000® USB DEVICE Manual Table of Contents

Chapter 1: Introduction of Product

The S-Cop2000® USB independently-developed by Softprotec Co. for the first time in the world, is an information key which has multi-master key function. It is quite useful in preventing illegal software duplication, PC protection, Website automatic log-in, and harmful information blocking. In a word, it is a technical innovation.

The Multi-Function Provided by the S-Cop2000® USB
◆Illegal duplication of several S/Ws is prevented by only one S-Cop2000® USB
◆The S-Cop2000® USB Device provides prevention of illegal S/W duplication of low price in master key concept, which has not been successful in any previous foreign products.
◆The 128bit intelligent type code engine is built in the S-Cop® USB Device as a chip.
◆Your own information can be protected even in a shared PC.
◆Important information is encoded doubly.
◆You don't have to memorize a number of IDs and Passwords.
◆Automatic Log-in function creates an automatic connection with website.
◆Blocking of harmful information from Internet.
◆It has authorization function.

Application Field of the S-Cop2000® USB
▶ Prevention of S/W Illegal Duplication and circulation
▶ Website Automatic Log-in ▶ E-mail Protection
▶ Saving of PKI Base Personal Key and Certificate
▶ Electronic Transaction Setting ▶ Internet Banking
▶ File Encoding ▶ e – Money
▶ User Certification / Authentication ▶ PC Security
▶ File Control of Computer Practice Room ▶ Electronic Signature
▶ Personal Credit Information Security ▶ Electronic Purse
▶ On-line Banking, On-line Trading ▶ Control of Entrance and Exit

Performance Environment of the S-Cop2000® USB
OS: Microsoft Windows 95/98/ME
CPU: Higher than Pentium 100MHz
HDD: Necessity of Extra Space of More than 20MB
Memory: More than 32MB
Interface: one USB DEVICE Port

Chapter 2: Constitution of Product

(1) S-Cop2000® USB Device

(2) S-Cop2000® Program CD

(3) S-Cop2000® USB Device User's Manual

Chapter 3: Installing

1. Installing S-Cop® USB Device

USB (Plug & Play Support)

When the S-Cop Information Key is connected with the USB Port of the system, "Add New Hardware Wizard" appears on screen with "discovery of new hardware" screen by the function of Plug& Play. Please follow the next procedure
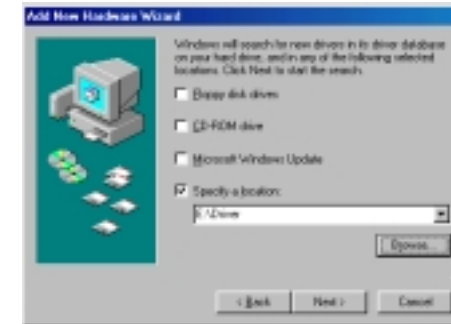
① When 'Add New Hardware Wizard ' appears on screen, please click [Next].
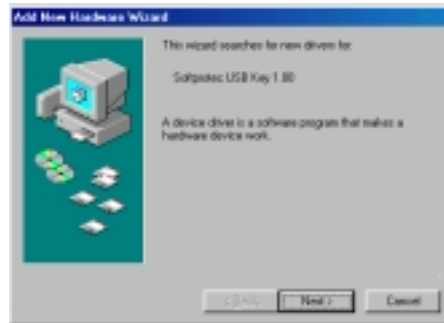
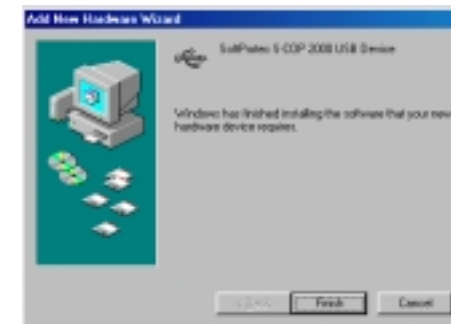② Please select 'Search for the best driver for your device (recommended)' and click [Next].

③ Please check 'Specify a location' and click [Browse..] and then select 'Driver' in CD ROM Drive.

④ Please click [Next] and installation starts.

⑤ When you see a message saying that Installing Driver and 'SoftProtec S-Cop 2000 USB Device' is completed, please click [Finish].
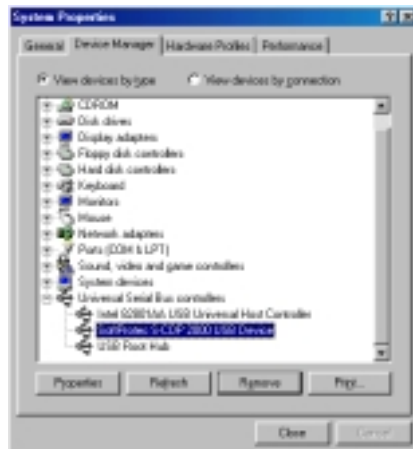
2. Confirming Installed S-Cop® USB Device

[Attention] After installing Driver, please confirm Driver installed correctly.

① Please click 'Control Panel' in Window. (Starting→ Settings→ Control Panel)
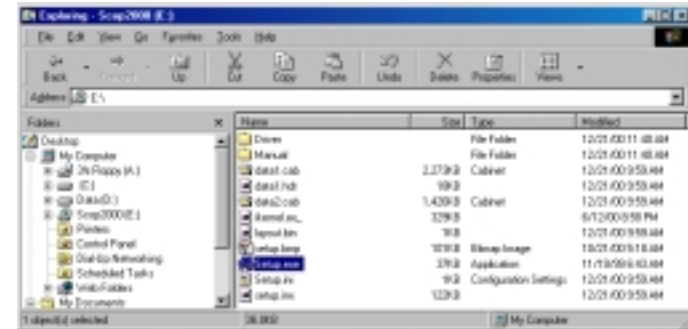

② Please double click 'System'.

③ Please confirm 'Universal Serial Bus controllers' in 'Device Manager' tab.
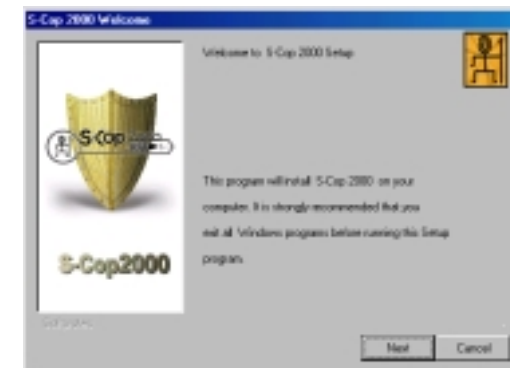

④ The list 'SoftProtec S-COP 2000 USB Device' shows when Driver is installed successfully.

3. Installing of the S-Cop2000® Program.

① After putting the S-Cop2000® CD in CD ROM Driver, please double-click 'Setup.exe' in CD-ROM Drive.


② The screen welcoming S-Cop2000® Program installation will be displayed. Please click [Next].

③ To continue installing S-Cop2000® Program, please agree to the copyright of S-Cop2000® and the agreement document. When you click [Yes], installing program will go on. Conversely, when you click [No], installing program will stop.
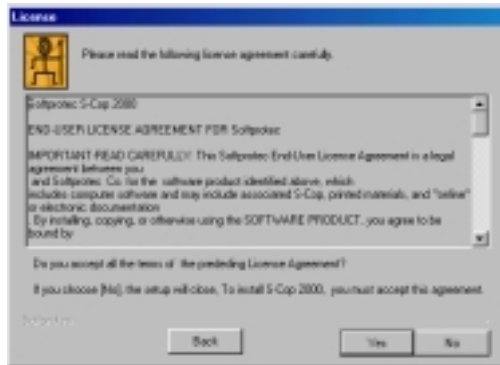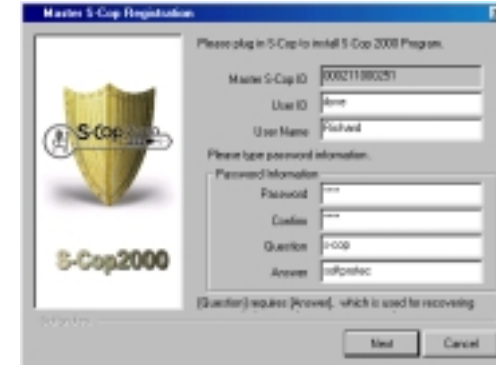
④ When S-Cop® USB Device is not connected to USB Port, the following screen will appear.
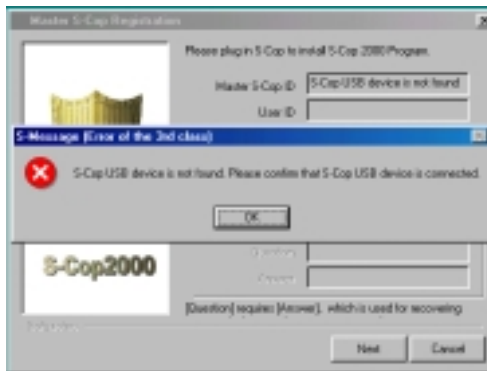
[Attention] **Without** S-Cop® USB **Device, installation cannot continue.**

⑤ Identification Number of S-Cop® USB Device will show if S-Cop® USB Device is connected to USB Port.

To register S-Cop® USB Device, please enter user ID, user name, password and click [Next].

[Master S-Cop ID]
S-Cop® USB Device has its own Serial Number on the back. The Serial Number is useful for management.

[User ID]
In S-Cop2000® User ID substitutes for Serial Number of S-Cop® USB Device because the S-Cop ID is complicated.

[Full Name]
Enter your full name, please.

[Password]
You will use S-Cop® USB Device with this Password, which will be stored in the Device. Generally you can block any illegal use with Password. If you don't want to use Password, please change the configuration in User Manager.

[Hint Question]/[Hint Answer]
Hint Question and Hint Answer will help you recover your Password when you forget it. In case you enter wrong Password three times, [Hint Question] will show on the screen. Only the correct answer to the Hint Question can delete Password. Hint Question and Hint Answer is a pair. For safety, please make the Hint Answer difficult in some degree enough to be unknown.

⑥ The following message says that connected S-Cop® USB Device is registered to Master S-Cop and asks if you want to register Managing Server, too.

[Managing Server Registration]

A S/W using security function of S-Cop will get certification from Managing Server. Therefore it will be comfortable to register User information and S-Cop® USB Device information in Managing Server as soon as you buy S-Cop® USB Device.

Registered User information will be utilized to recover data damaged.

⑦ Please type every field and click [OK].
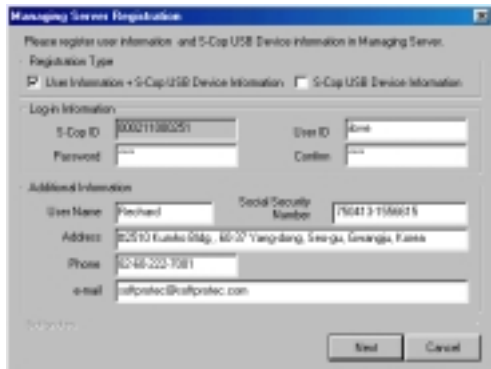
[Registration Type]

If you register in the first time, please select [User Registration + S-Cop USB Device Registration] and fill out the form completely.

If you registered already, please select [S-Cop USB Device

Registration] and enter ID and Password to log-in Managing Server.

[Managing Server ID]/[Password]

Managing Server ID and Password are used for accessing to Managing Server and they will be stored in Device. With them, S-Cop2000® automatically accessed to Managing Server. You can connect directly through internet.

The length of input is 4 – 14 characters.

[Additional User Information]

When you lose S-Cop® USB Device, this information will identify you.

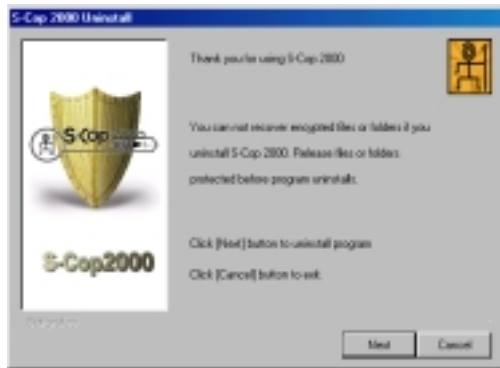⑧ A file required for installing Program will be copied in Installation Folder.
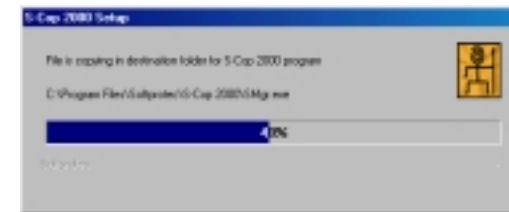
⑨ The installation is completed. Please check 'Yes, I want to restart Windows now.
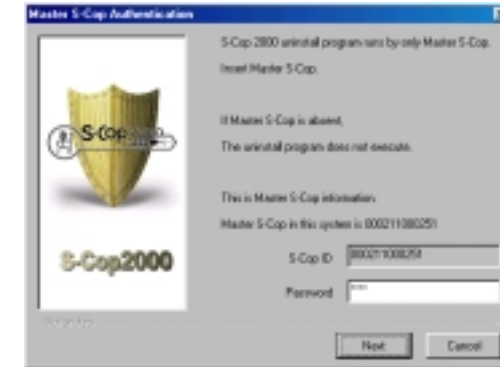
4. Deleting S-Cop2000® Program

① When you delete the S-Cop2000®, please select 'S-Cop2000 Uninstall' at 'Start>Program>Softprotec'.

② To delete program, please click［Next］.

③ To delete the program, only the Master S-Cop® USB Device registered in the S-Cop2000® Program can do it. When your typed password is matched, all the set-up program will be deleted from the System.
Master S-Cop® in and enter your password.

［Attention］Before deleting Program, you should decrypt file or folder.
［Attention］If you deleted program without decrypting file or folder, you can recover file or folder by reinstalling program.

④ Please click［Complete］and deleting program will be finished.
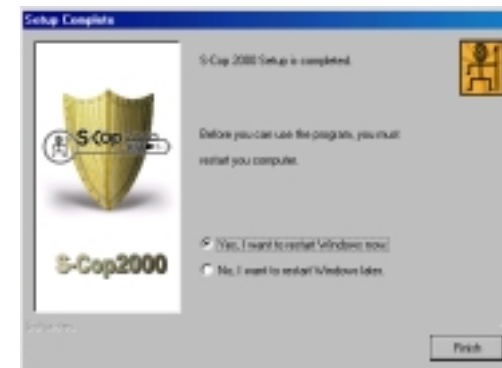
Chapter 4 Using S-Cop2000® User Manager

| Adding, Deleting, Managing S-Cop® USB Device user |
| --- |

- Creating or modifying Device information is possible.
- Using without Password is possible.
- Registering user information in Managing Server is possible.

[Attention] You don't need to register S-Cop® USB Device additionally when you install S-Cop2000® because S-Cop® USB Device is already installed.

[Attention] When you want to use without registering S-Cop® USB Device, you can use only [authorized products SW registration and use] function and [internet automatic certification] function.
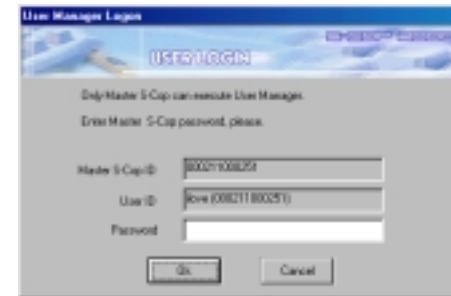
① Executing S-Cop2000® User Manager

Please select [User Manager] in Program Start Menu or execute [User Manager] in S-Manager.
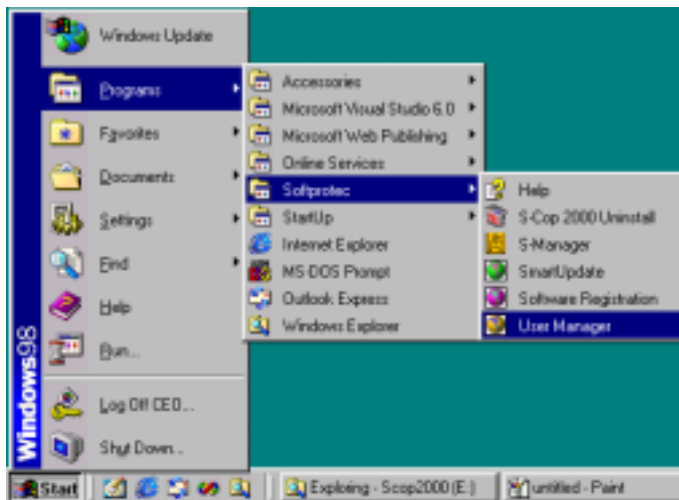

② Log-in S-Cop2000® User Manager

The S-Cop2000® User Manager is executed only by Master S-Cop®.
Master S-Cop® means the registered information key when setting the program up.
Please plug Master S-Cop® in and enter your password.

When the S-Cop2000® User Manager is startup-executed, a window will appear as follows. Master S-Cop® was registered when you installed S-Cop2000® program.
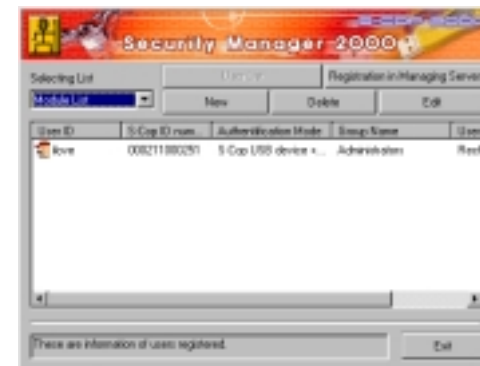
③ User Registration - Step 1/2

For user registration, please select 'User List' in the start-up execution screen.
If you want to register, you can make a new registration by inserting the S-Cop®
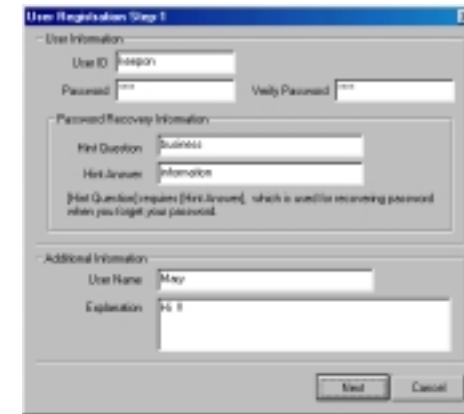USB Device and clicking [New].
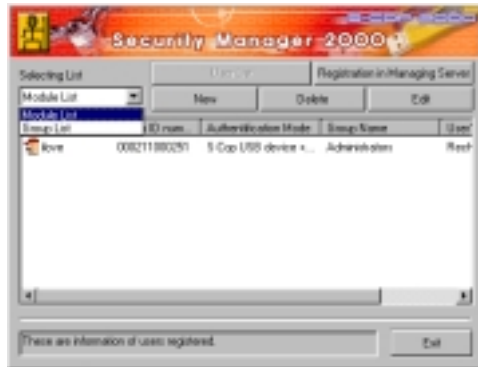
When you see a message box saying "Please plug in new S-Cop to add", as
follows, please insert new S-Cop® USB Device to add.

If the S-Cop® USB Device was registered already in other place, please enter

the existing Password.

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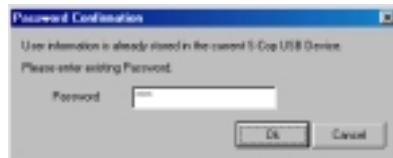
Please fill out the next form. The information will be stored safely in Device.

[User ID]
   In S-Cop2000® User ID substitutes for Identification Number of S-
   Cop® USB Device because the Serial Number is complicated.

[Password]
   You will use S-Cop® USB Device with this Password, which will be
   stored in the Device. Generally you can block any illegal use with
   Password. If you don't want to use Password, please change the
   configuration in User Manager.

[Hint Question]/[Hint Answer]
   Hint Question and Hint Answer will help you recover your Password
   when you forget it. In case you enter wrong Password three times,
   [Hint Question] will show on the screen. Only the correct answer to
   the Hint Question can delete Password. Hint Question and Hint Answer
   is a pair. For safety, please make the Hint Answer difficult in some
   degree enough to be unknown.

[User Name]
   Please type your full name.

[Explanation]
   You can type a brief explanation about user.

After filling out the form, please click [Next] .

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④ User Registration – Step 2/2

You can select Certification Mode or Group. In case you'd like to create New Group and register it, please select ［Creating New Group］.

[Log-on Mode]

Please select ［S-Cop USB device］ if you want to execute certification only by S-Cop® USB Device. However you'd better select ［S-Cop USB device + Password］ to prevent illegal access.

Please click ［OK］, and registering will be completed.
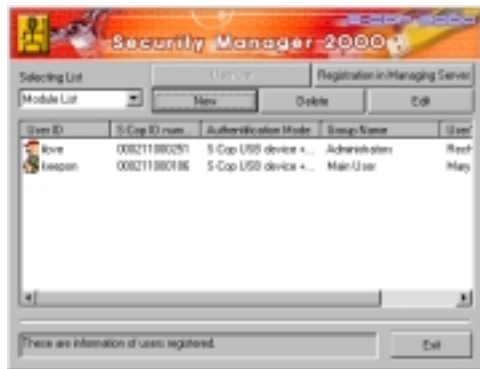
⑤ Editing User

You can change user information and S-Cop® USB Device. Please select user whose information you want to change and click [Edit].

[Attention] If selected S-Cop® USB **is absent, the modify does not continue.**
[Attention] User password dose not show for security, you should be overwriting.

⑥ Deleting user

You can delete the selected user from the User List.

⑦ Group Registration

User should belong to at least more than one group. Generally in the personal computer, the user will be registered in Manager Group automatically.
When you want to register user in other group, you can create new group.

Please alter the existing mode into Group List Mode in Start-up execution screen and click ［New］.
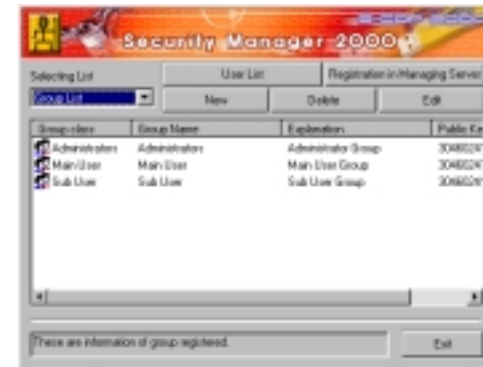
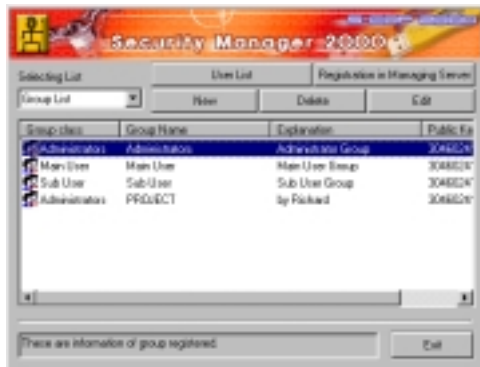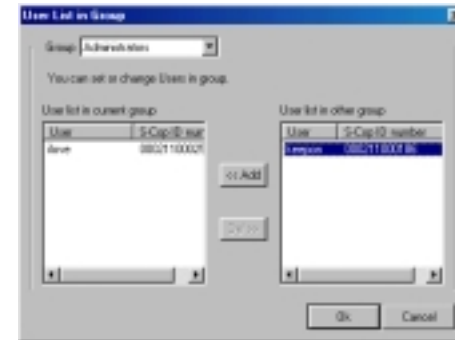Please select Group Class at ［Group Information］ and type Group Name.

[Class]

- Administrator – It has all the authorities like S-Cop2000® Configuration and so on.
- Main User – It can use only general functions of S-Cop2000®
- Sub User – It can use S-Cop2000® limitedly.

⑧ Changing Group of User

Please select group in the Group List Mode and [User List]. You will see the list of User in the group.

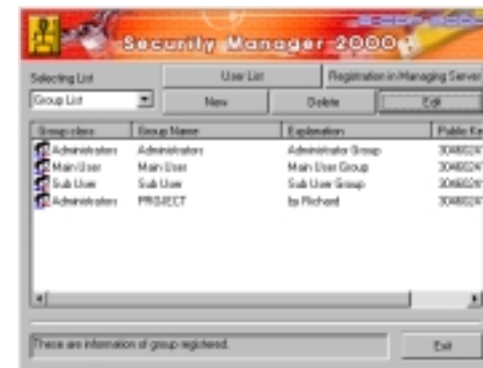You can see 'User list in current group' and 'User list in other group'.

【Add】 Add User to the current group list.

【Del】 Delete User from the current group list.

⑨ Editing Group

You can change group information.
Please select Group List and click [Edit] .

Please change group level or password and click [OK].

⑩ Deleting Group

You can delete the selected group from the Group List.

Please select Group and click [Delete] .

Chapter 5: Using S-Manager Program

1. Using Secure Folder Functions

If you have some information required security, please use this function.
- You can't trust data-encoding software. - The computer has multi-user, and you don't want your personal information to be exposed. - The Security Folder function in your existing product is too inconvenient to use like an authentic safe. - It is hard to use in non-automated situation.

1-1 Adding Secure Folder

① You need to put your mouse on the S-Manager icon, press the right button, and select [Secure Folder Management] in the menu.
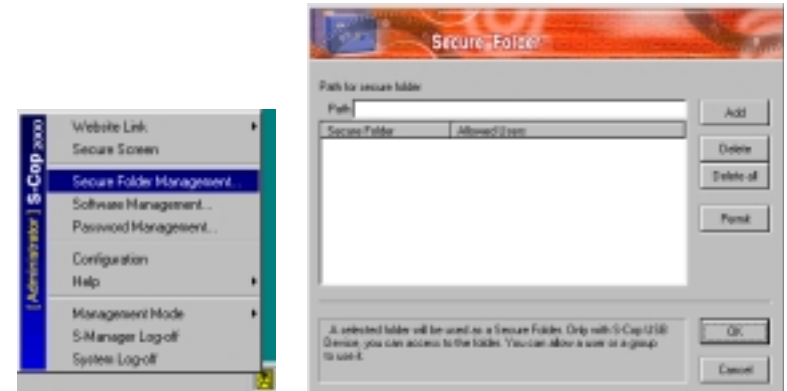
[Add]
        Add the folder for secure folder.
[Delete All]
        Releases secure folder (All the data in Secure Folder are decrypted).
[Delete All]
        Deletes All the secure Folder   input list.
[User Setting]
        By selecting encoded folder and clicking [User setting], you can add
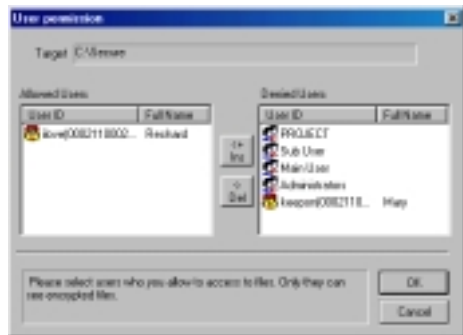
or delete the allowed users.

② Please click ［Add］ and you can see a screen as follow;

③ Please select a folder you want to encode

④ Please click [OK] and you can see Allowed Users. You can add user to 'Allowed Users' after selecting a user on the right side of screen.. ［추가버튼］
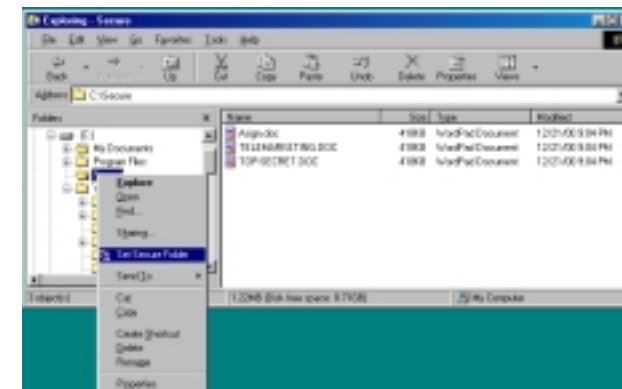

⑤ Please click ［OK］, and you will see the folder and the user on the Secure Folder Manager window.

1-2 Setting Secure Folder – in high speed

S-Manager provides you the way to set your Secure Folder quickly by using mouse.

① Please select the folder which you want to set as Secure Folder, and click the right mouse button.

② On "Pop-Up" menu, please select ［Set Secure Folder］. When "Allowed Users" window appears, please encrypt the folder so that only the allowed users can

open it.

1-3 Undoing Secure Folder

① Please open [Set Secure Folder] window and select the folder that you want to undo Secure Folder and then click [Delete].
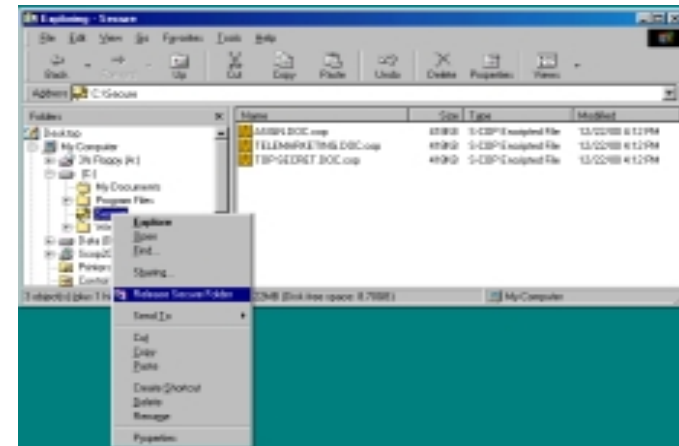

② Please select [Delete] and the folder is removed from your Secure Folder list. Then, all the data in the folder are decrypted.

1-4 Undoing Secure Folder - in high speed

① Please open [Windows Explorer] and click the right button of mouse on the folder set as a Secure Folder.


② On "Pop-Up" menu, please select [Undo Secure Folder], and the selected folder will be decrypted.

2. Registering and Using Authorized S/W

Now, would you purchase the S/W that the "S-Cop inside" logo is on. There are the following advantages of buying our product.
- The powerful encryption/decryption function of the S-Cop provides seamless protection on the data generated from softwares. - There is no need to type Passwords one by one to created data files. - Only with S-Cop, you are authorized to use all the softwares that you purchase regardless of where you get them. - You can purchase authorized S/W with a very reasonable price. - You can contact the software Inc. anytime (S-Cop Developer's managing function).

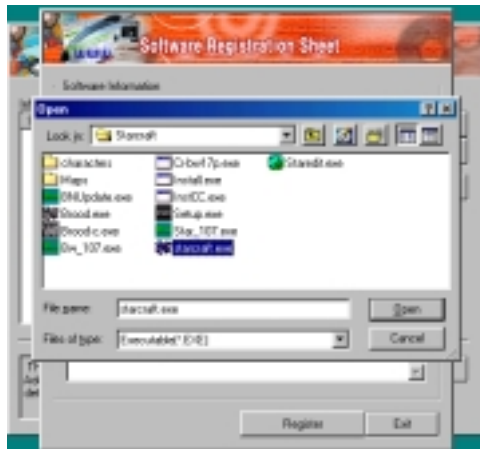① Please select [Software Management] in S-Manager.
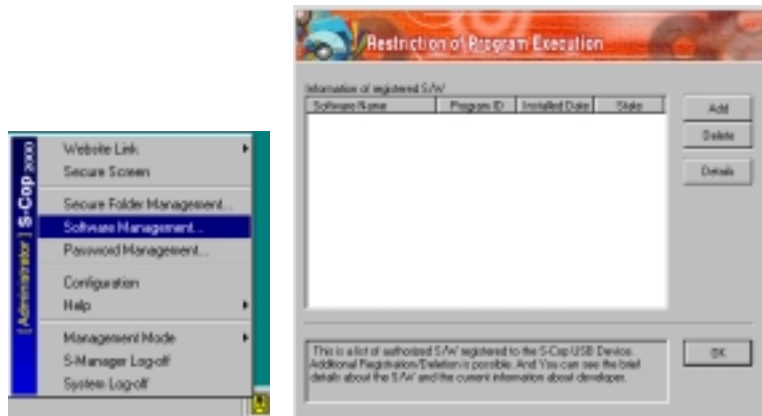
[Point] The information which appears is about the authorized S/W saved in the S-Cop® USB Device.

[Attention] When you purchase an authorized S/W, you should register your program here.

② Please click [Add] button.

③ Click [Select] in order to select the programs that you want to register.

[Point] If you don't know the file names which are protected by S-Cop® USB Device, please just run the program and the registration window appears with the protected file names.

④ After "Software registration – Step 1" is displayed, please choose [Automatically download authentication code from server] and click [Next].
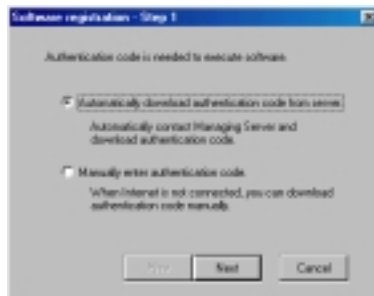

[Point] If the internet is not connected, please go to the place where the internet is accessible and get certification code, then choose [Manually enter authentication code]. – refer to ⑥

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⑤ After " Software registration – Step 2" is displayed, please enter the enclosed Serial Number and click [Next].
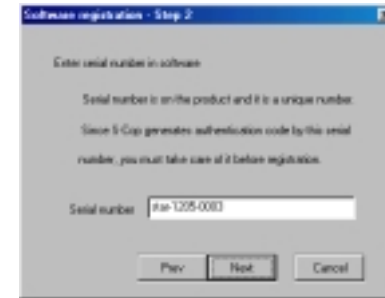
⑥ If you select [Manually enter authentication code] at Step 1, the following window will appear. Please enter the certification code that you directly receive from the certified web server, which is provided by the Softprotec Inc. or the code received from other communication media.
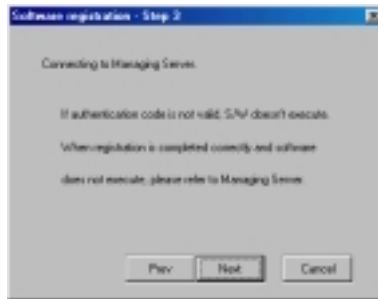
[Point] Certified web server – http:// English.Scop2000.com
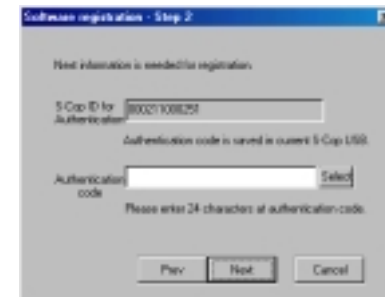
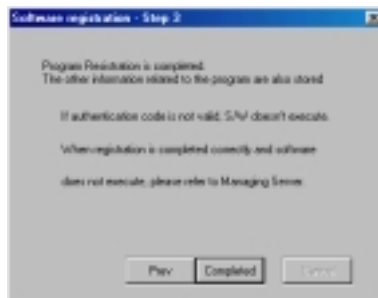⑦ In 'Software registration – Step 3', please click [Next]. Then Certification

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Code will be received and stored in S-Cop® USB Device.

[Attention] Do not remove the S-Cop® USB Device until the saving process is completed.

⑧ When the program is successfully registered, the following window will be displayed. Please click [Completed].

⑨ When the program is successfully registered, the list of the files that are registered in "Restriction of Program Execution" window will be displayed.
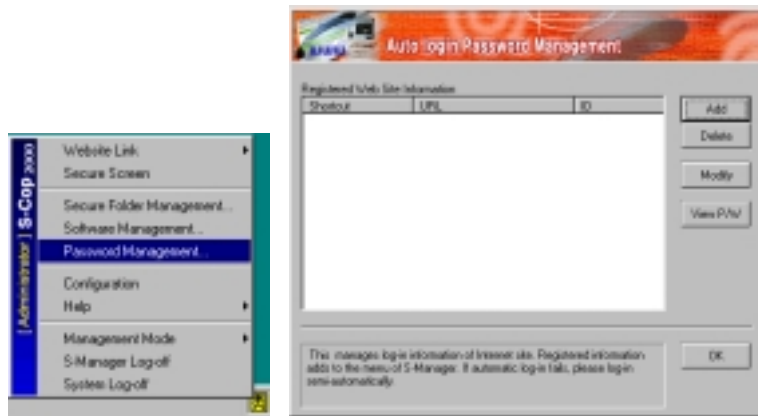
3. Registering Password Management

| If you have complaints about the following in the internet, please read this closely |
|---|
| -   Releasing your ID and Password for public use without your permission
-   Memorizing too many IDs and Passwords
-   Entering ID and Password everytime you get on-line
-   Memorizing all the web sites you frequently visit ("favorites" are not provided)
-   Unwilling to use ID and Password management function provided from web site because your private information may be exposed |

[Point] No more, you need to enter your ID and Password whenever you get on-line Using automatic log-in and semi-automatic log-in, you can log-in the Websites registered in S-Cop2000®.without typing ID and Password.

① Please choose 'Password Management' in S-Manager.

② Please click [Add], and 'Auto login Password Management' window will appear. After entering ID and Password precisely, please click [OK].
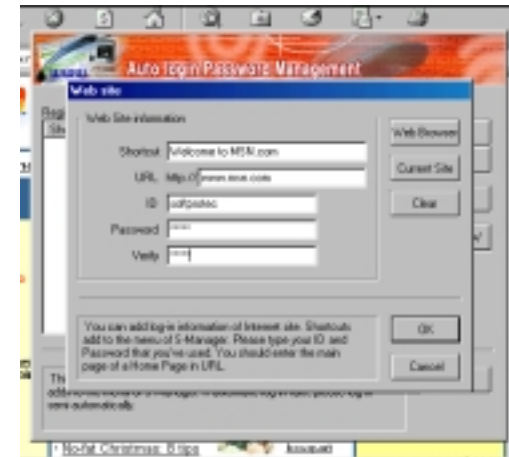
[Web Browser] runs the default browser registered on Windows.
[Current Site] gets currently connected site from the web browser that is running.
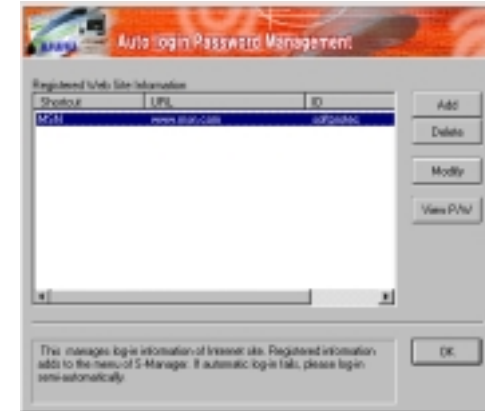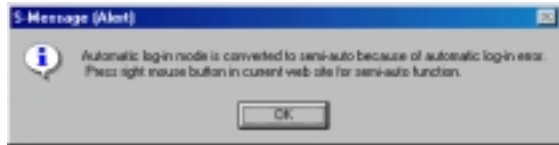**[Delete]** deletes the content that is already entered.

[Point] If you finish typing the information, the Keyword that you type is added to the "Website Link" menu. To connect the site that you typed from now on, click on this menu.

[Point] If you click on "Website Link" but automatical log-in does not run, it's because the analysis on the current web page is not completed, then

use the semi-automatic log-in, please.

Whenever an automatic log-in fail, it is automatically recorded to server and the analysis script of that is updated. Later when the user connects to the site again, S-manager downloads the information of the log-in info, so the user can log-in automatically in the next time.


③ If you want to modify the Password Management list registered in the S-Cop® USB Device, please select the site you want to modify and then press [Modify].

Please modify ID and Password and click [OK].

PC Management Mode

| Do you share a computer with other people? Don't you worry about these? |
|---|
| - You don't want others to use certain programs.
- ·You are worried about your children exposed to harmful information.
- ·You don't want your employees to look at good stock information when they are supposed to work.
- ·You don't want anyone but you to install programs in the computer.
- ·You don't want anyone but you to change hardware settings.
 Then, the S-Cop will help your worries go away. |

[Point] Please click 'Management Mode', and you can see the menu.
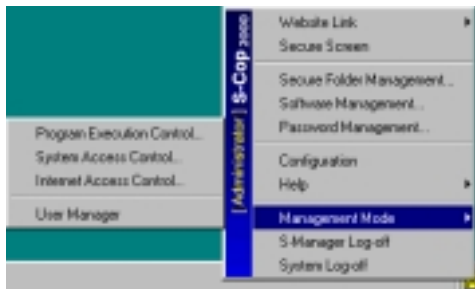
4. Restricting Program Access Control

This is designed to prevent unauthorized users from accessing certain programs. Only allowed users can access to these programs.

① Please select 'Management Mode' and click Program Execution Control.
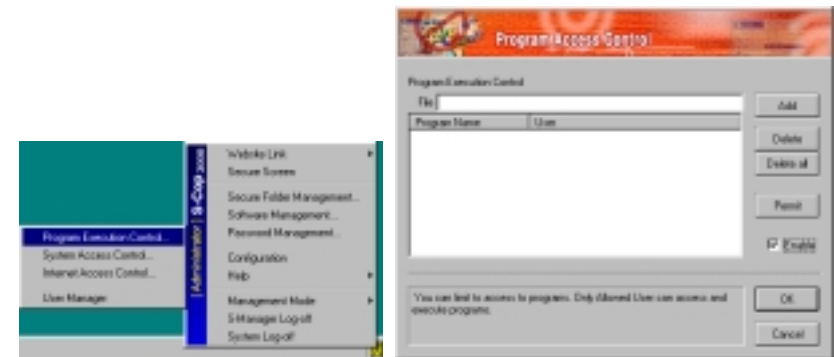
【Enable】
enables Program Access Control. The default is set for the function.
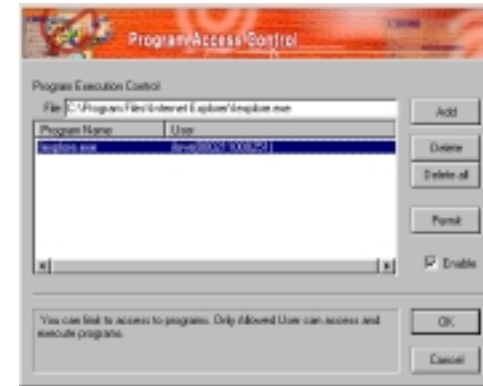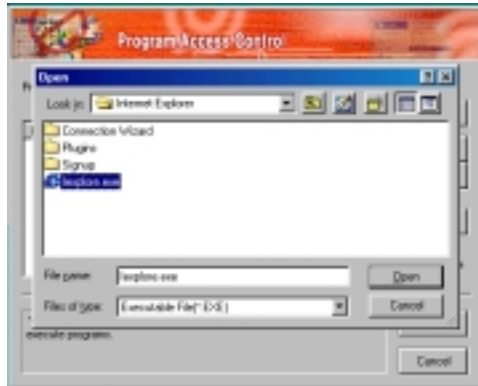【Delete】
releases Program Access Control.
【Delete All】
deletes all the list of Program Access Control.
【Permit】

allows user to access to program.
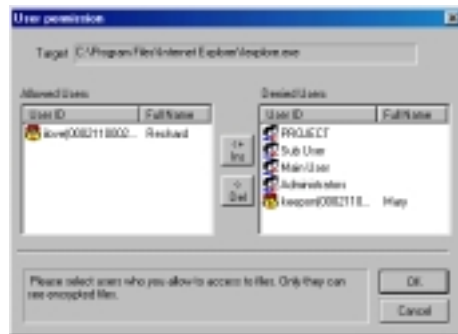
② Please check [Enable] and click [Add] and then select a program you want to limit access.

③ When you choose a file, 'User Permission' will be displayed. Please select a
  user or a group you want to allow.
 Only allowed users can execute the program.

④ If the selected folder or file is added successfully to the Program Access
  Control list, the following window will show.

5. System Access Control

You can use this function when you want to prevent others from changing computer settings, searching for local data by typing keyword, and entering unapproved words.

① Please select 'Management Mode' and click 'System Access Control'
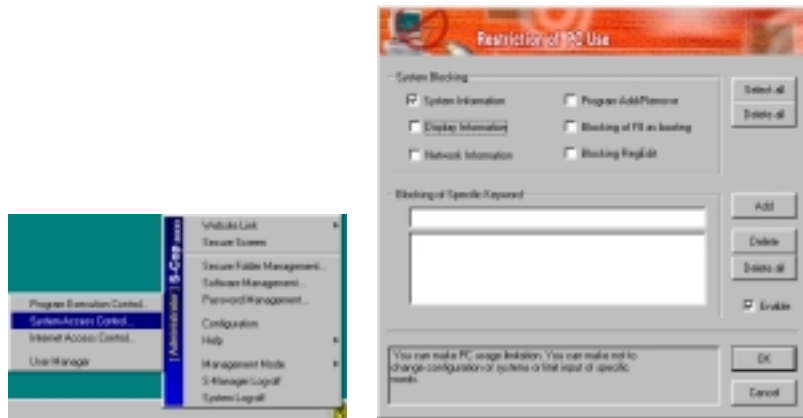
[System blocking]
    enables you to prevent other users from changing computer settings.
[System Information]
    blocks altering system registration information.
[Display Information]
    prevents changing video-card setting or screen saver setting.
[Network Information]
    prevents setting network.
[Program Add/Remove]
    prevents installing/uninstalling programs in PC.
[Blocking of F8 in booting]
    prevents going in DOS mode or safe mode in booting.
[Blocking RegEdit]
    blocks executing of Regedit.
[Blocking of Specific Keyword]
    is designed to make it impossible to enter a specific keyword in Input

Window. After you enter a keyword at Blocking of Specific Keyword window and click [Add], the keyword is blocked to use. When you want to release blocking, select the keyword and click [Remove].

6. Internet Access Control

This is for the administrator to prevent others from accessing harmful sites.

① Please select 'Management Mode' and click 'Internet Access Control'.
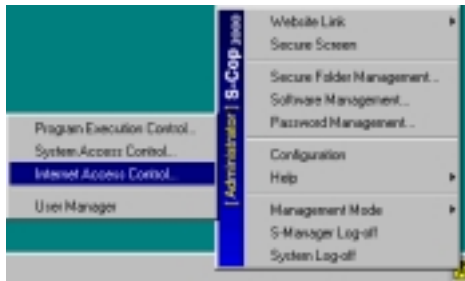
② Please click [Enable] first and type URL which you want to limit Internet access or click [Download]. Then click [Add Site], please.

③ Even though Internet Explorer is executed, connecting blocking sites is impossible.

[Enable]
　　enables Internet Access Control. The default is set for the function.
[Download]
　　downloads the information of harmful sites which is registered on the server. The information registered on the server continues to be updated, so it is desirable to run [Download] regularly.
[Add site]
　　adds a site to Internet Access Control.
[Delete Site]
　　releases Internet Access Control.
[Delete All]
　　deletes all the list of Internet Access Control.

7. Protecting File

As an another security function of personal information, S-Cop® USB Device can encrypt and decrypt each file. In addition you can protect information by encrypting when you transmit data in a long distance. To encrypt data you should select Allowed Users. The public key of Allowed User is used here.

[Point] Public key is automatically generated in the process of S-Cop® USB Device registration and it opens to the public. The encrypted data by public key can be decoded only by private key. Since this private key is stored in S-Cop® USB Device, you can ensure portability and security at the same time.

① After executing Windows Explorer, please click the right button of mouse on the file you want to protect and select [Encrypt by S-Cop2000] in the menu.
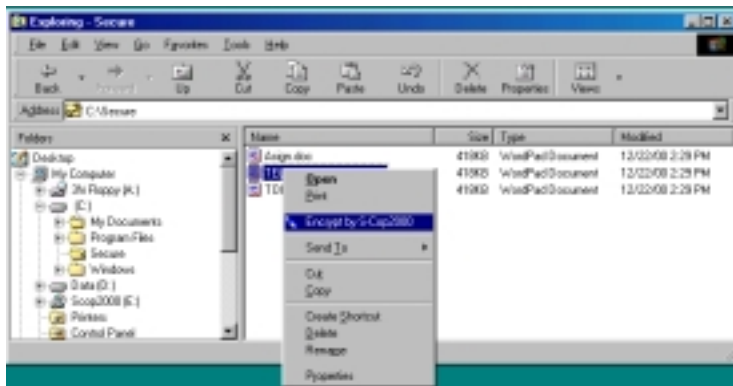
② Please choose Allowed Users and click [OK], and only selected users can open the protected file.

8. Secure Screen

This is designed to prevent using the computer for a short period; it locks the screen and disables keyboard use. Only S-Cop® USB Device or Master S-Cop® USB Device can unlock screen lock.
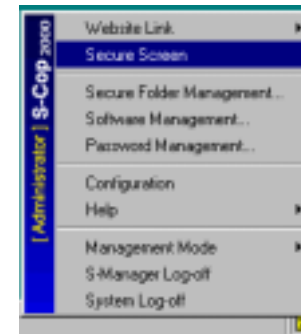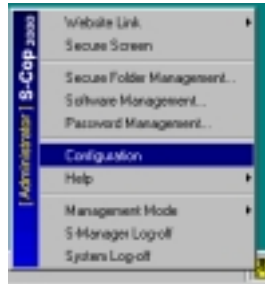

[Point] You can change the setting to log-in without S-Cop® USB Device at the S-Manager Administrator.
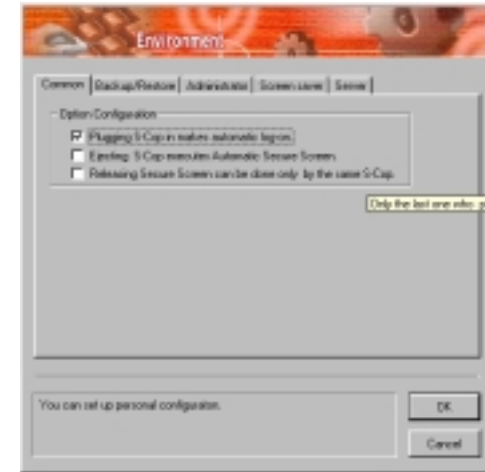
9. Configuration

Please click the right button of mouse on S-Manager and select 'Configuration'.

Common:

① **Plugging S-Cop in makes as automatic log-on.**
 – sets log-on screen to be displayed automatically, when you set the S-Cop® USB DEVICE on USB port.

② **Ejecting S-Cop executes Automatic Secure Screen.**
 – sets Secure Screen and disables PC use, after you pull out the S-Cop® USB Device.

③ **Releasing Secure Screen can be done only by the same S-Cop**
 – sets Secure Screen to be unlocked only by the very S-Cop® USB Device which executed Secure Screen. Other S-Cop® USB Device can't unlock Secure Screen.

Backup/Restore:

This is a function which backs up the S-Cop2000® user setting. When you remove S-Cop2000® and reinstall it, you can restore the past Configuration. When you backup or restore, you can decide to backup or not the following items; Secure Folder setting, Website information, authorized S/W information, private key information, group key information, S-Managr configuration setting, and so on.
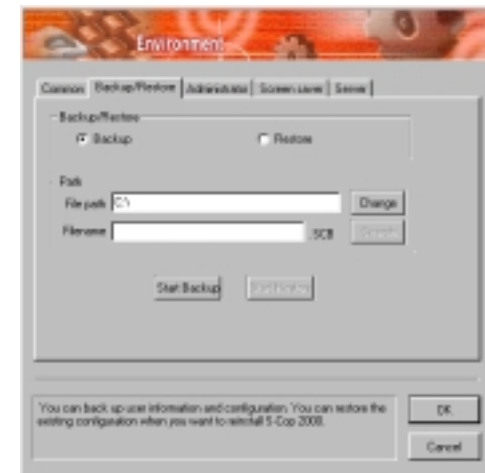
Administrator:

This option is for the manager to administrate PC.

① Log-On is available by S-Cop in booting
  - You can log-on PC without **S-Cop®** USB Device when the computer is booted. Once you choose this function, you cannot log-on PC without the **S-Cop®** USB Device.

② Program starts by Management Mode in booting
  - If you choose this function, the computer is booted in Management Mode.
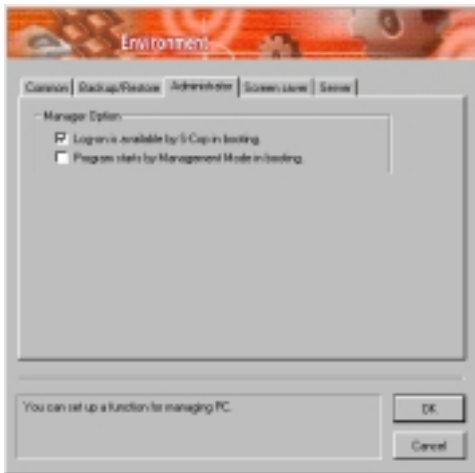

Screen Saver:

You can choose the sort of screen saver when you execute Secure Screen. This setting will influence the Windows setting.
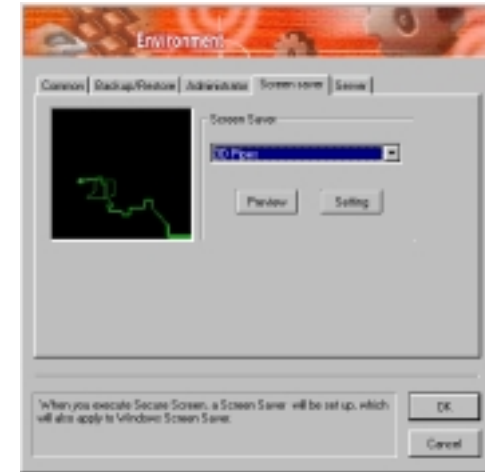
Server:

This information is used for registering user or authorized s/w.
- Managing Server has information of **S-Cop®** USB Device and continues to manage it.
- When you want to get information about additional server, please connect to **http://English.Scop2000.com**.
- Generally the Server shows the default managing server.
- Please select 'Server' and click [Apply].
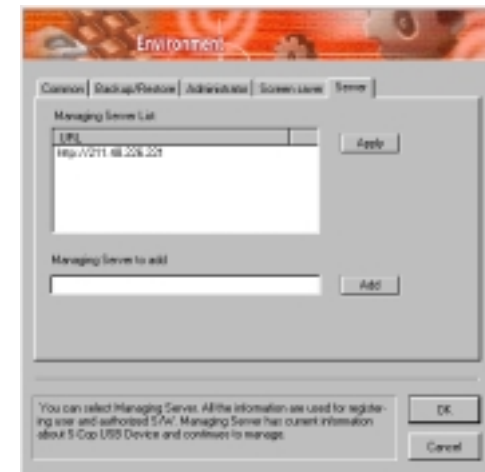
10. Help

Help shows the helpful information about S-Cop2000®.

① About – shows the information about the S-Cop2000® version, copyright, registered user, Inc. name, serial number, system and operating system that are in use.

② S-Cop Information – shows the information on the S-Cop2000® information key that is currently in use. You can check the record who used your computer. And you can see the information of program registered by S-Cop® USB Device.

③ Connect Managing Server – enables you to connect to Managing Server and register user.

④ Softprotec Homepage – connects directly to Softprotec Homepage. You can ask questions to Softprotec anytime while you use S-Cop2000®.

FCC NOTICE

NOTE: 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 of and on, the user is encouraged to try to correct the interference by one or 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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.