Windows Task-Lock, Version 4.0, 1996

Windows Task-Lock provides a simple and inexpensive, but effective way to password protect specified applications no matter how they are executed.   It is easy to configure and requires little to no modifications to your current system configuration. Administrator password is enabled for site licenses.

Installation

Copy the files sgllock.exe, sgllock.hlp, sglset.exe, boom.wav, tada.wav, and ding.wav to the Windows directory (usually c:\windows).   Place the <u>protection program, sgllock.exe</u>, in your startup group so that it is executed whenever Windows 95 starts up or use one of the other methods detailed in the <u>security section</u>.   Then, use the <u>setup program, sglset.exe</u> , to define your passwords and the tasks to protect.   Once these steps are complete, reboot and you are ready.

If for some reason you wish to remove Task-Lock from your system just reverse the steps you took to install it.   First make sure sgllock.exe is not running.   Then remove the files you copied to the Windows directory.   Finally, undo the method you used to get sgllock.exe to execute on Windows startup.

System Requirements: Windows 95.

Task Definition (Main Dialog, sglset.exe)
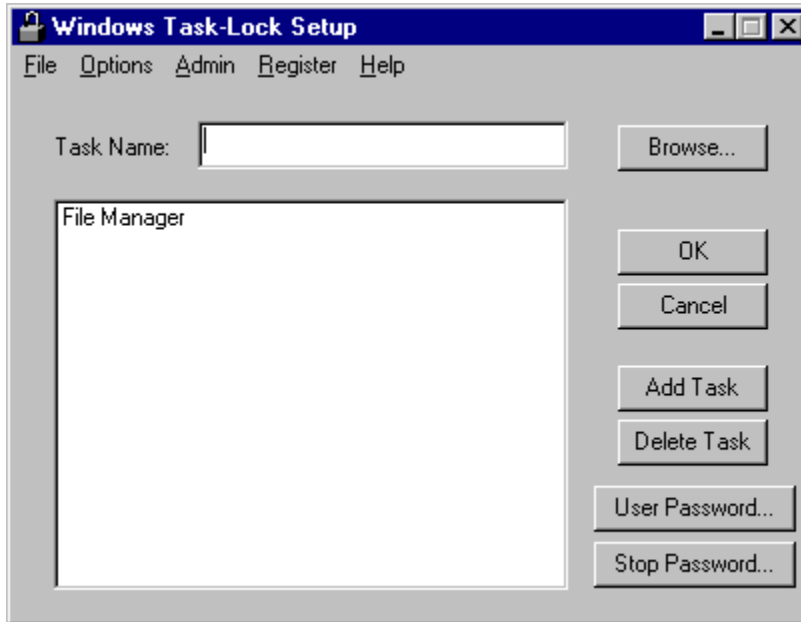
Task Name: Enter the name of the task you wish to protect in this field.   The task name is usually the same as the text displayed as the window title. You do not have to enter the whole title.   The comparison will be done only on the portion you enter.   For example, if you enter *Notepad* as the task name the software will protect *(Untitled) - Notepad* or *mytext.ttx - Notepad*. This is an example of task name matching at the end.   If you enter *File Man* as the task name, the software will protect *File Manager*.   This is an example of task name matching at the beginning.   The software will not protect a task that has it's name defined as a substring interior to the task name.   For example, *Man* entered as a task name **WILL NOT** result in the protection of *File Manager*.   To select from a list of the currently running tasks use the **Browse** button.   To add the task name to the **Protected Tasks** list press the **Add Task** button.

Browse: This button displays the **Task Browser** dialog.
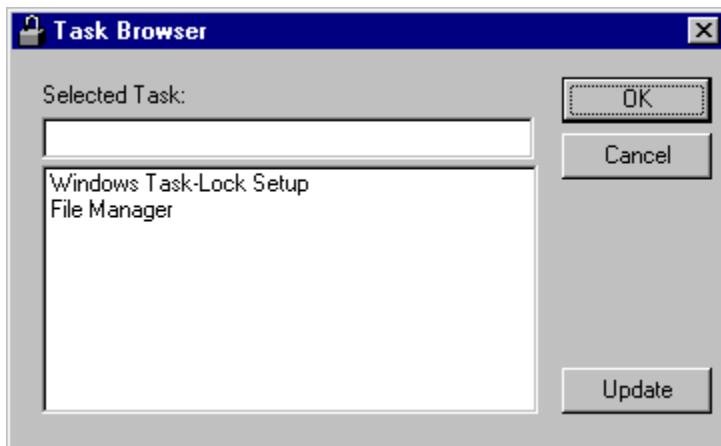
Simply select the task you wish to protect from the list box.   The task name will appear in the **Selected Task** field.   You may return this name as selected to the **Task Definition** dialog.   If some new tasks have started you may select **Update** to refresh the list box.   As always **OK** dismisses the dialog accepting the selected task and **Cance**l simply dismisses the dialog.

Add Task: Press this button to add the task name currently displayed in the **Task Name** field to the **Protected Tasks** list.

Delete Task: Press this button to delete the task selected in the **Protected Tasks** list.

Protected Tasks: This list displays the currently protected tasks.   To add a task, type the task name in the **Task Name** field and press the **Add Task** button.   To delete a task, select the desired task and press the **Delete Task** button.

User Password: This button will display the User Password dialog.   You may enter a user password if one has not been defined or change the current user password.   The user password is used to give users access to protected tasks.

Stop Password: This button will display the Stop Password dialog.   You may enter a stop password if one has not been defined or change the current stop password.   The stop password is used to terminate the execution of the Protection Dialog software.

OK: This button saves the current settings and dismisses the dialog.   If the protection software, sgllock.exe, is currently running the changes made will take affect in approximately a minute. If the tasks you wish to protect are running at the time the changes are made, you will have to close these tasks for the Protection Dialog software to correctly recognize them.

Cancel: This dismisses the dialog without saving the changes.

Dialog Menu:
  File
      Close: Dismisses the dialog (the same as Cancel)
  Options
      Stealth Mode: Indicates if Stealth Mode is active (checked) or not (unchecked). Stealth Mode runs the protection software without placing an icon in the system tray.   If for some reason the icon is needed when Task-Lock is running, simply run sglset.exe again and set Stealth Mode off (unchecked).   For this change to take effect, stop sgllock.exe and restart it. Stealth Mode does not disable Events Sounds.   If you wish silent operation also, the Event Sounds must be turned off manually.
      Password Timeout...   This brings up the Password Timeout dialog.
      Event Sounds (WAV files)...   This brings up the Event Sounds dialog.
  Admin
      Set Admin Password... This brings up the Admin Password dialog**.**
      Change User Password... This brings up the Change User Password dialog**.**
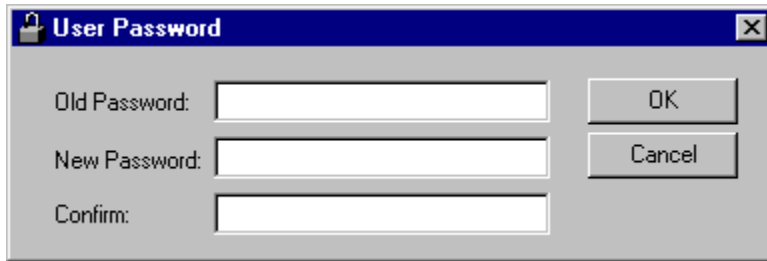   **Change Stop Password...** This brings up the Change Stop Password dialog**.**

Register

      Register...:   Displays the <u>Registration</u> dialog.

Help

      Help...:   Displays this help file.

      About Windows Task-Lock...:   Displays the About dialog.

Passwords

The **User Password** and the **Stop Password** dialog function in the same manner.   The **User Password** dialog defines or changes the password that allows users access to protected tasks and the **Stop Password** dialog defines or changes the password that halts the execution of the Protection software.   Both a **User Password** and a **Stop Password** must be defined.

**Old Password**:   This field accepts the current password, if one exists, prior to a change.

New Password: This field accepts the new or changed password.

Confirm: This field accepts the new password again as a confirmation that it was typed correctly.

OK: This button saves the changes and dismisses the dialog.

Cancel: This button dismisses the dialog and does not save the changes.

Protection Dialog (sgllock.exe)
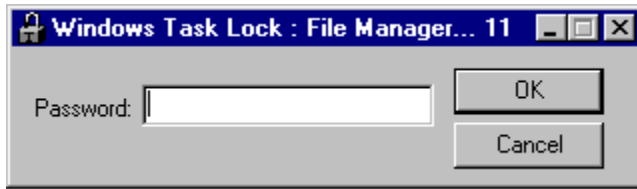
When a task defined in the Protected Tasks list is executed the Protection Dialog will appear, assuming sgllock.exe is running, and restrict the cursor to the dialog.   The user then has 3 attempts to enter the correct password or the protected task will be terminated.   If the Password Timeout is used then the user will only have the specified number of seconds (time left is displayed on the title bar of this dialog) to enter the correct password or the protected task will be terminated. The title of this dialog will contain the window title of the task being protected.   If the window title of the protected task is too long then it will be truncated to fit on the dialog. The graphic shows an example where File Manager is protected.   This truncation will not affect the underlying operation of the software.

The protection dialog can be accessed anytime sgllock.exe is running by clicking on the lock icon that resides in the system tray unless Stealth Mode was specified.   Stealth Mode will allow sgllock.exe to run but the icon will not appear in the system tray.   The system tray icon provides an easy way to access the dialog in case you need to terminate sgllock.exe using the Stop Password.

Password: This field accepts the User Password or the Stop Password defined using the Password dialog of the Task Protection software (sglset.exe).

OK: This button accepts the password.

Cancel: This button terminates the task being protected and dismisses the Protection Dialog.

IMPORTANT: To Insure Proper Security

- Password protect the setup program by defining the first task as the name displayed in the title of the Task Definition dialog.

- There are three alternatives to starting Windows Task-Lock as Windows 95 starts up. Each one is more secure than the previous one.

1) Place the protection program (sgllock.exe) in your startup group so that it executes as soon as Windows starts.   This is the simpliest but it is also the easiest for someone to get around.

2) Add the following to the bottom of you autoexec.bat file

        win c:\windows\sgllock.exe

This will execute sgllock.exe as soon as Windows comes up without sgllock.exe being in your startup group.   This assumes that you placed sgllock.exe in c:\windows.   Simply change the path to where you placed sgllock.exe and you're set.   Only one of these lines can exist in your autoexec.bat.

3) Add sgllock.exe to your registry.   This assumes you have access to the Registry Editor, REGEDIT.EXE.   Run REGEDIT.EXE and go to the following entry: My Computer\ HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run.   Add a name here (in Run) called "sgllock".   Add a data entry for the value which is the full path to where sgllock.exe is installed and the file name sgllock.exe.   Assuming it is installed in c:\windows, it should be c:\windows\sgllock.exe"   The quotes will be added automatically if needed so you do not need to type them.   If Run is not present (as a key) under CurrentVersion, then you can safely add it there. Don't forget to add Registry Editor as a task to be protected by Windows Task-Lock.

- If you have a system with highly sensitive data and/or that is prone to be tampered with by "hackers", then Windows Task-Lock should only be part of the security measures you take.   To protect against tampering through system reboots, a BIOS password or similar boot password utility should be utilized. To protect against a safe-mode reboot without a reboot password here is an alternative.

Windows 95 creates a hidden, read-only system file named MSDOS.SYS in the root of the computer's boot drive (usually c:).   Change the properties on this file and edit it to change or add the following in the [OPTIONS] section to increase security.   These values are Boolean with a value of 1 (enabled) or 0 (disabled).

BootGUI=0 : This will disable automatic graphical startup into Windows 95.

BootKeys=0 : This will prevent any startup keys (F5, F6, and F8) from functioning.

BootFailSafe=0 : This will disable Safe Mode for system startup.

This will prevent a safe-mode reboot.   DISABLED SAFE-MODE WARNING: Make sure you have a reboot floppy available in case you need to correct any problems that may be encountered in the future.   Disabling safe-mode will make this necessary to get around the startup files.

- Prevent a user from tampering with the startup profile or program files by protecting File Manager, Explorer, MS-DOS windows, and the Taskbar Properties dialog.   The Taskbar Properties can be added by simply typing in Taskbar Properties into the Task Name field and selecting Add Task.   You might also want to protect the Run and Display Properties tasks.

- A task name is usually the text displayed as the title of the main window of a program. Sometimes it is not.   In these rare cases the <u>Browse</u> feature can help determine the task name of the program you wish to protect.   The Task Browser dialog will display the task names of the active tasks at the time it is displayed is run.   The task list it displays will not update automatically but can be updated by selecting the <u>Update</u> button.

- It is best to set up the tasks you wish to protect and then start or restart the protection software (sgllock.exe) to insure that all desired tasks are properly protected.

Registration

If you use an unregistered **Windows Task-Lock** you will notice that every time you accept a password on the <u>Protection Dialog</u>, a box appears indicating you are unregistered and it displays the password you entered using the <u>Windows Task-Lock Setup Dialog</u>.   When you send in your registration, I will return you a registration number that you will enter on the registration dialog of the <u>Windows Task-Lock Setup Dialog</u>.   This dialog can be reached from the menu of the <u>Windows Task-Lock Setup Dialog</u>.   This will register the software and you will no longer get the annoying box that displays your password.
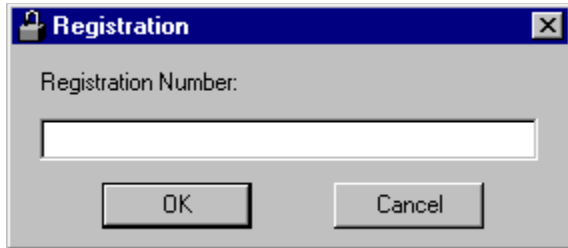
Windows Task-Lock is Shareware (see the Legal Stuff below).   If you feel that this software will be useful to you please send $9.95 (US dollars only, this can be a postal money order, a check on a US or non-US bank, or currency as long as it is in US dollars) for individual license to the following address. Please include your email address, the complete product name, the product version, and the number of copies you require to insure prompt registration.

> Stephen A Jernigan
> PO Box 21015
> Huntsville, AL 35824
> USA

If you are writing a check please make it out to: Stephen A Jernigan

Site licenses are available at a discount and are handled on a case by case basis.   If you are interested in a site license please contact me at 103672.2634@compuserve.com.

For CompuServe users!!   Windows Task-Lock can now be registered online through SWREG.   Simply GO SWREG and follow the instructions.   The registration ID for Windows Task-Lock is 11147.   Due to the CompuServe pricing structure, only single user licenses can be   registered online and each license is $10 (US).   If you are interested in a site license please contact me at 103672.2634@compuserve.com.

The following information must be sent along with your registration fee to insure prompt registration.

Email address (or postal if no email):
Complete Product name:
Product version number:
If a site license, number of copies to be used:

Please provide the name of the software you are registering, the version of the software, and your email address (or if you don't have one, your postal address) so you can be correctly registered. An email address will provide both of us with quicker and easier registration.

Please report any bugs, suggestions for improvement or new features you would like to see.   I can be reached through email at 103672.2634@compuserve.com

- Version 1.0

	- Initial Release

- Version 1.1

	- Changed protection dialog title to contain the
	   window title of the task being protected
	- Corrected a bug in the timing for a read of an
	   updated setup by the protection dialog software

- Version 1.2

	- Corrected a bug in the focus of the protection dialog (sgllock.exe)

- Version 1.3

	- Corrected a bug that caused erratic behavior in the protection
	   dialog software on Windows 95

- Version 2.0

	- Corrects a bug that will allow CNTRL+ALT+DEL to terminate
	      the protection dialog
	- Provides a task name browser for setup and error dialogs for
	   the protection dialog.

- Version 2.1

	- Corrects a bug that allows ESC to terminate the program

- Version 2.2

	- Added a Cancel button to the protection dialog and improved
	   security and usability thanks to user's input.

- Version 3.0

        - Administrator password addition for site administration,
          added a menu on setup and corrected bug in the error dialog.

- Version 3.2

        - The password dialog (sgllock.exe) now runs from an icon in
          the system tray instead of taking up space on the Taskbar.

- Version 4.0

        - New Options: Sound on startup, incorrect password,
         and task termination events, Stealth Mode, password
         timeout, Administrator options to change the user or
           stop passwords without knowing the current passwords.
          Enhancements: Protection against running
         multiple copies of sgllock.exe and task name matching
         from the beginning or end of the task name string
         (for example, allows filename.txt - Notepad to be protected
          by defining the task Notepad).

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Anyone distributing Windows Task-Lock for any kind of remuneration must first contact Stephen A Jernigan at the address given for authorization.

You are encouraged to pass a copy of Windows Task-Lock along to your friends for evaluation. Please encourage them to register their copy if they find that they can use it.   All registered users will receive a registration number to fully enable the latest version of the Windows Task-Lock software.

This software may be freely distributed as long as the following files are all kept together and unmodified and no remuneration is received by the person or persons distributing said software.

sglset.exe
sgllock.hlp
sgllock.exe
boom.wav
ding.wav
tada.wav
readme.txt

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Special Steps for Protecting the MS-DOS Prompt

To properly protect the MS-DOS Prompt, the Properties must be set a certain way.   Bring up the Properties dialog and select the Screen tab.   When the tab appears, select the Window radio button in the Usage section.   This insures that the MS-DOS Prompt will appear as a Window. This is required for the Windows Task-Lock to work properly.
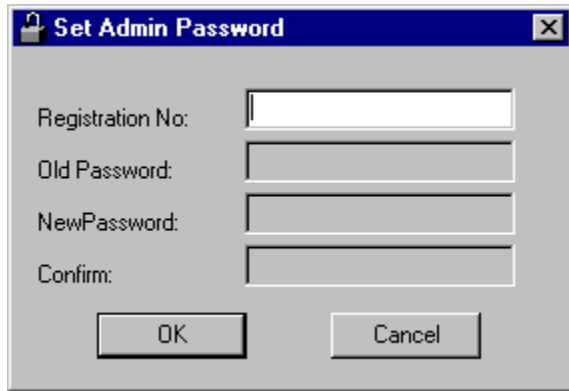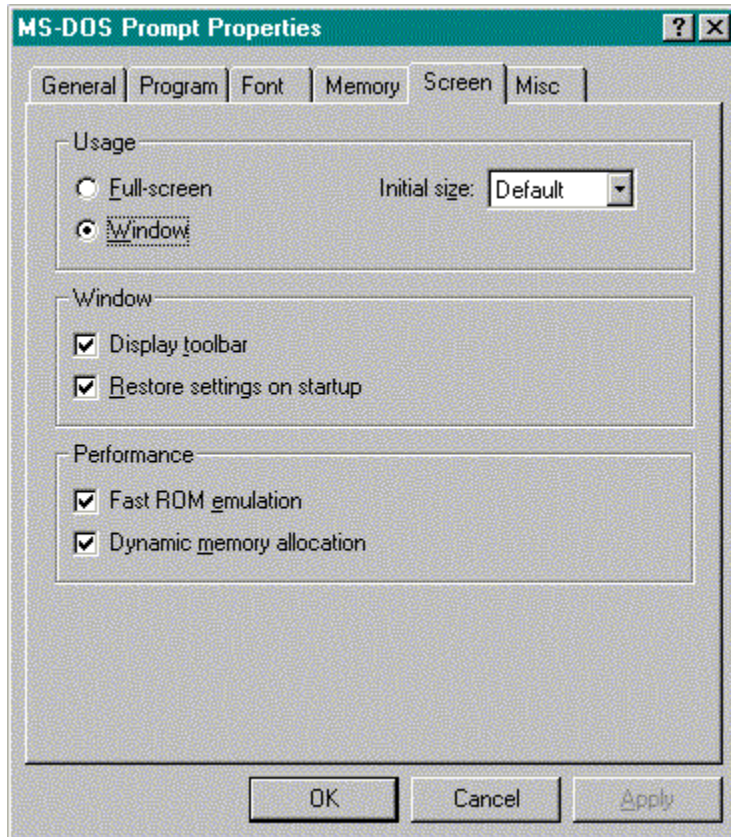

Next, select the Misc tab.   Make sure the check box in the Termination section is NOT checked. This insures a clean closure of the MS-DOS Prompt window.
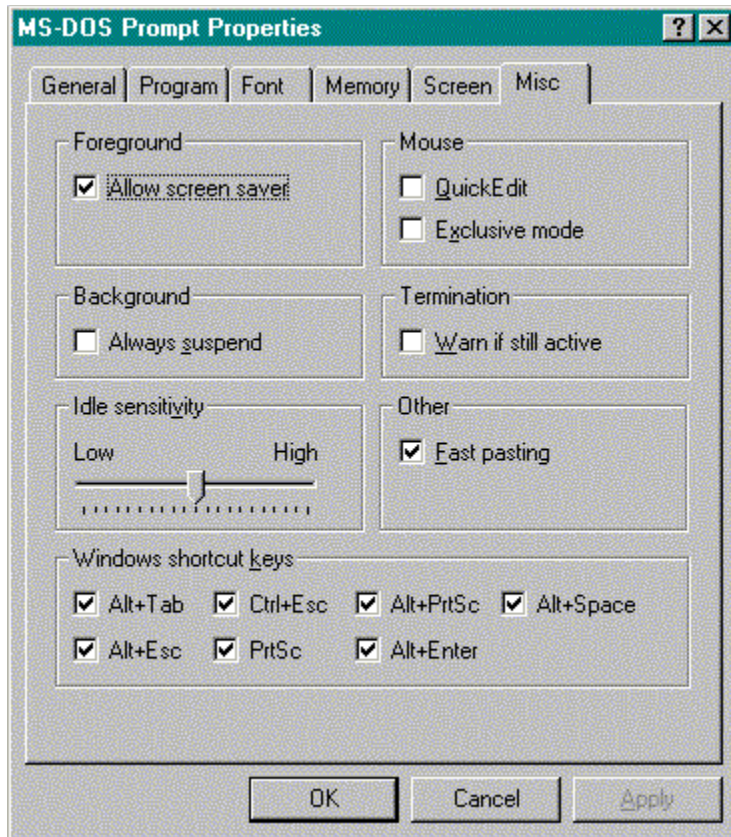
After this is done, add the MS-DOS Prompt Properties dialog as a task to be protected.

Set Administrator Password

The Task-Lock Admin Password dialog defines or changes the password that allows an administrator to dismiss the protection dialog that locks the system.   This feature is only available when a site license has been registered.   It is not active for a single system registration.

Registration No.:   This field accepts the registration number.   This is required so that only the administrator can set or change the administrator password.   Each user will still be able to operate Windows Task-Lock as before with the password set on the User Password dialog.

**Old Password**:   This field accepts the current administrator password, if one exists, prior to a change.

New Password: This field accepts the new or changed administrator password.

Confirm: This field accepts the new administrator password again as a confirmation that it was typed correctly.

OK: This button saves the changes and dismisses the dialog.

Cancel: This button dismisses the dialog and does not save the changes.

Password Timeout
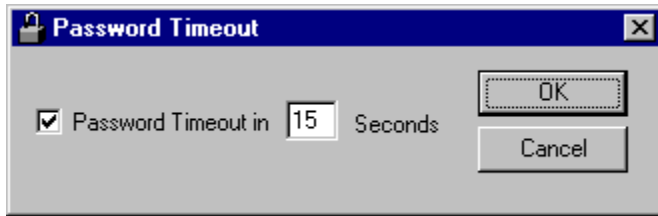
The Password Timeout dialog allows the user to specify a limit on the amount of time allowed for the entry of a correct password.   This limit must be between ten and sixty seconds.   If the time limit is exceeded with this option chosen, the protected task will be terminated.

Password Timeout: This field contains the number of seconds allowed for the user to type in the correct password.   The **check box** to the left of this field indicates if the specified timeout should be used (checked) or not (unchecked).

OK: This button saves the changes and dismisses the dialog.

Cancel: This button dismisses the dialog and does not save the changes.

Event Sounds (WAV files)
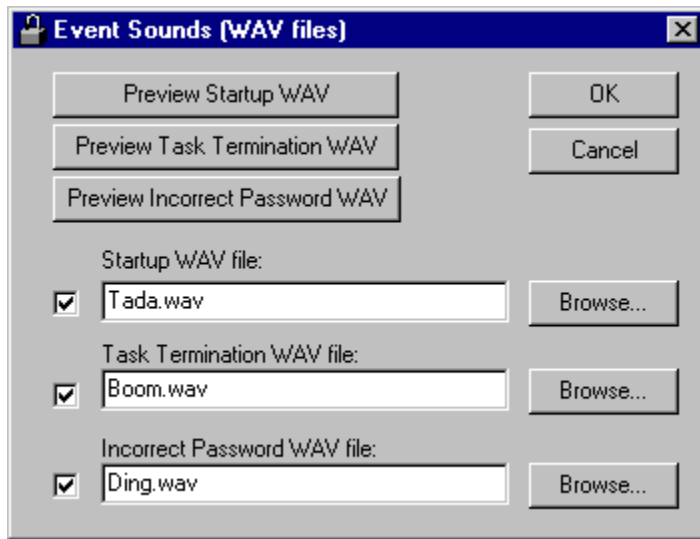
The Event Sounds dialog allows the user to specify WAV files to be played when Task-Lock starts up, when an incorrect password is given, or when a prohibited task is kept from running.

Startup WAV file: This field contains the filename of the WAV file that will be played when Task-Lock starts.   The **check box** to the left of this field indicates if the specified file should be played (checked) or not played (unchecked) for this event.   If you do not know the filename or specific location, choose the **Browse** button to the right of this field.

Preview Startup WAV: This button will play the WAV files specified in the **Startup WAV file** field.   If this button is not active then the check box is not checked and/or the specified WAV file can't be found.

Task Termination WAV file: This field contains the filename of the WAV file that will be played when Task-Lock stops a prohibited task from running.   The **check box** to the left of this field indicates if the specified file should be played (checked) or not played (unchecked) for this event.   If you do not know the filename or specific location, choose the **Browse** button to the right of this field.

Preview Task Termination WAV: This button will play the WAV files specified in the **Task Termination WAV file** field.   If this button is not active then the check box is not checked and/or the specified WAV file can't be found.

Incorrect Password WAV file: This field contains the filename of the WAV file that will be played when Task-Lock is given an incorrect password.   The **check box** to the left of this field indicates if the specified file should be played (checked) or not played (unchecked) for this event.   If you do not know the filename or specific location, choose the **Browse** button to the right of this field.
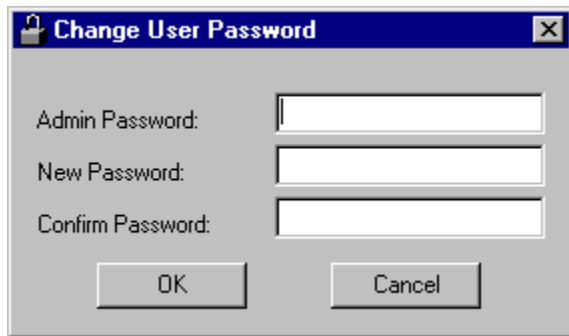
Preview Incorrect Password WAV: This button will play the WAV files specified in the

Incorrect Password WAV file field.   If this button is not active then the check box is not checked and/or the specified WAV file can't be found.

OK: This button saves the changes and dismisses the dialog.

Cancel: This button dismisses the dialog and does not save the changes.

Change User (Stop) Password

The **Change User Password** and the **Change Stop Password** dialog function in the same manner.   The **Change User Password** dialog changes the password that allows users access to protected tasks and the **Change Stop Password** dialog changes the password that halts the execution of the Protection software.   This will allow administrators to change a user's passwords without having to know his current ones.   These functions require the Admin Password so they are only available to site license registrations.

Admin Password: This field accepts the current Admin Password.

New Password: This field accepts the changed password.

Confirm: This field accepts the new password again as a confirmation that it was typed correctly.

OK: This button saves the changes and dismisses the dialog.

Cancel: This button dismisses the dialog and does not save the changes.