

Dear customer,
should you have any questions or suggestions regarding our product,
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The approved security system for personal computers and computer networks

HDD SHERIFF

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Preface

Legal notice

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Preface

Dear customer,

Thank you for choosing HDD SHERIFF, the renowned PC security tool which has been successfully used to protect machines from abuse and misuse world-wide.

What HDD SHERIFF can offer you:

- Protection against of data and software corruption
- Protection against lurking viruses and potential system crashes
- New installation of Windows(r) systems not required
- System recovery in less than one second
- Considerable saving of costs (reduced TCO)
- Carefree installation and testing of new software, updates or shareware

HDD SHERIFF reserves an area on the hard disk which is invisible for the user (backup area) and in which the system tracks and backs up any changes. Thus, if necessary, the original and sound state of the personal computer can quickly be reset and modifications can be backed up. This invisible area created during the installation of HDD SHERIFF takes up roughly 5 % of the partition size. Each drive to be protected will have its own separate backup area.

Before starting the installation, please carry out the following steps.

1. In case you have installed anti-virus software which is "active", it has to be deactivated before installing HDD SHERIFF. (IMPORTANT!!)
2. Defrag your hard disk or partitions (destination hard disk). For this purpose, please use the defragmentation tool of your individual operating system.
3. If you use one of the operating systems Windows NT/2000/XP, you have to be registered as administrator in order to install HDD SHERIFF.
4. **Before starting the installation**, backup valuable data, move folders (ie. Outlook Mailbox) accordingly to prevent data loss.

Description of the individual **HDD Sheriff** operating modes:

Auto Recovery Mode (automatic system recovery with every reboot)

An easy reboot of the personal computer backs up the system on the defined stable and workable condition

Manual Recovery Mode "system recovery after user's intervention"

This mode allows users, administrators, teachers or students a carefree testing of software, sanitizing or modification of the system. After a certain period of time you decide if the modifications have to be backed up, taken over or rejected. Should you wish to take over the modifications, you require HDD SHERIFF password (standard password: hdd)

Supervisor / Mode

In the password-protected Supervisor Mode the protection of HDD SHERIFF is deactivated; thus, modifications become operative and are irrevocable. This mode is required to install additional software or service packs on the personal computer.

Admin / Teacher Console

In case you operate HDD SHERIFF in a network, it is advantageous to work with HDD SHERIFF Admin / Teacher Console.

This saves you valuable time and consequently also money.

The password-protected Administrator Console allows the teacher, the administrator or the person in charge of IT to administer all personal computers which were protected with HDD SHERIFF via the network.

System requirements

Operating system: Windows® 98SE / ME / NT.4 / 2000 / XP

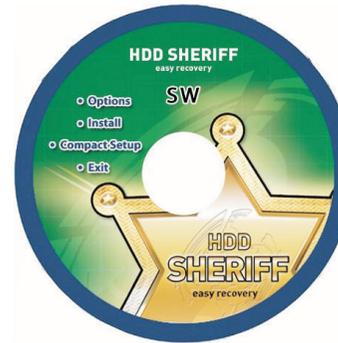
Processor: minimum 386 IBM compatible

By SATA hard drives, do not use the available "Partition Drives" splitting option. Please delete any instances under "New Drive Name"

Split SATA drives using another drive partitioning tool like PartitionMagic®

If HDD-Sheriff standard options are used in combination with SATA drives you may experience data loss / corruption.

- HDD SHERIFF software version (software only solution)



Software solution:

- Protects and administers up to 4 partitions and 2 hard disks

Installation and Configuration

> Installing HDD SHERIFF Driver Software for the Software only Solution

To begin, please insert HDD SHERIFF Installation CD into your CD-ROM drive.

After inserting HDD SHERIFF driver CD, the installation should begin

If not, please run the startup.exe command from the directory on the CD via Windows Explorer.

Click on the desired language [German](#) or [English](#)

Click **Install HDD SHERIFF / Teacher console** in the adjacent window.

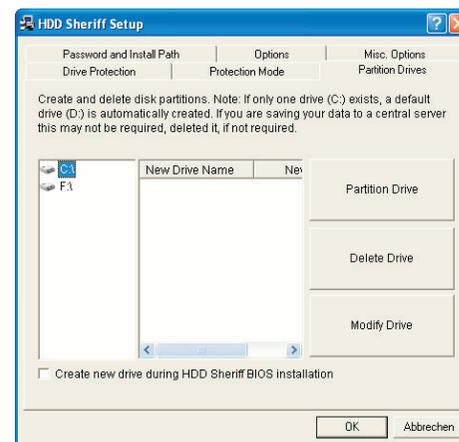
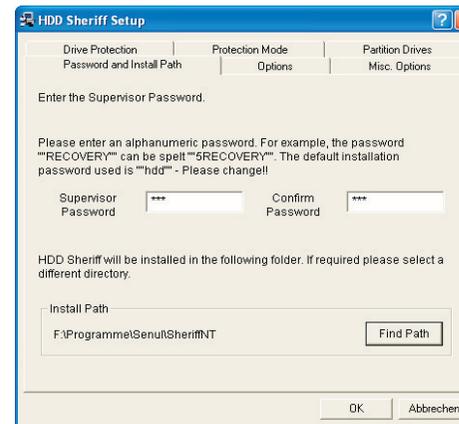
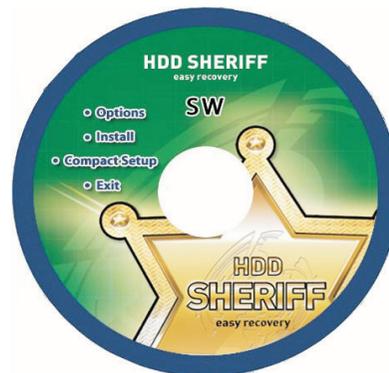
Select the version you wish to install (PCI Version or Software only Solution).

Click on "Options" before executing the installation (Install). It is important to precheck and initial settings more specifically the backup size prior to clicking "Install".

Additionally, you should check to see if the Installation wants to create a separate data partition from your existing configuration. If this is the case the installer must decide if this is wanted.

Note: Some **SATA motherboard drivers are not compatible with this "Partition Drives" splitting function** and therefore this option should **not** be used.

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Settings:

Password and Destination Folder:

Here you have the opportunity to enter your HDD SHERIFF supervisor password (default password is: hdd). You require this password to enter the Supervisor DOS console where administrative functions can be carried out, such as:

- to change the backup area
 - to change the mode (Auto / Manual / Supervisor Mode)
 - to backup modifications etc.
- The default password used during the installation is "hdd"
Please Change!

Configuring partitions

In the event you have a hard-disk with just one partition C: depending on the release number, an unprotected 2nd partition may be offered on which you can store your data (recommended by the manufacturer **except in combination with SATA Drives**) Should you not wish this 2nd partition, please click to the partition and delete it in [Delete Partition](#). You can also create, modify or delete further partitions. **NOTE:** See [SATA drive notice](#) on page 5

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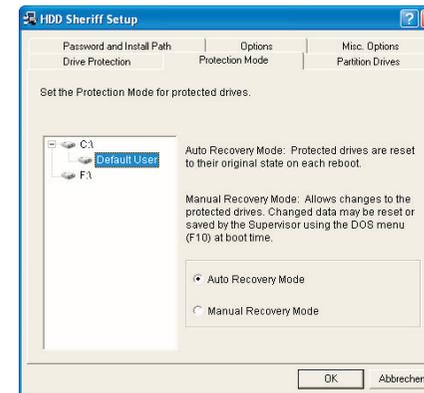
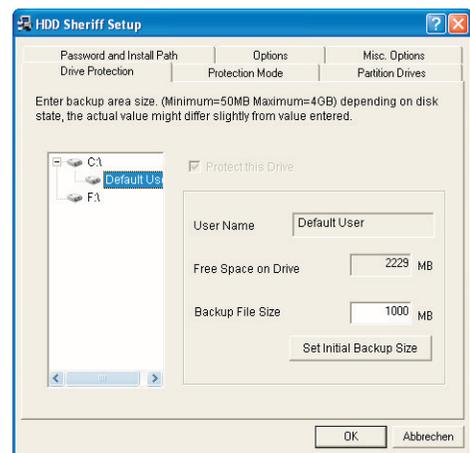
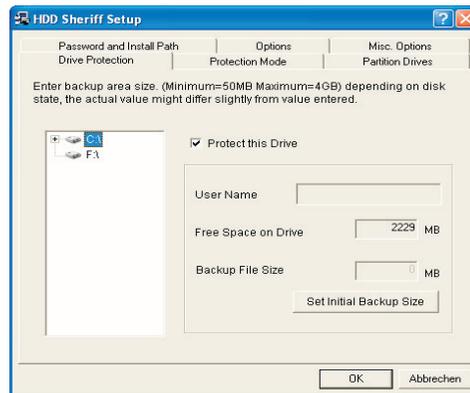
Installation and Configuration

> Installing HDD SHERIFF Driver Software for Software Solution

Configuring a backup file

In this example you can specify / configure the backup file for the partitions to be protected. (recommended by the manufacturer: 5-10 % of the partition size to be backed up). In case you have configure several partitions, they will be shown automatically as seen on the adjacent window e.g. D:/E:/etc...

Click on the partition you wish to protect (e.g. partition C:) Afterwards click the "+" symbol beside the partition in order to display the "Default User". Enter the desired backup size and confirm the backup area entry by clicking on "Set Initial Default Size". Should you wish to protect several partitions, click on the respective partition and carry out the previous steps under "Configure Backup Files" again.



Setting Protection Mode

Click on the + symbol or the partition you wish to protect (ie. C:\) and then select for the "Default User" **Auto Recovery Mode** or **Manual Recovery Mode**. This depends on how you wish to protect the partition.

Explanation of Auto Recovery and Manual Recovery Mode:

Auto Recovery Mode

Simply reboot, the original state of the system is automatically restored to the last saved "Supervisor default configuration" (system recovery in less than 1 sec.)

Manual Recovery Mode

In the Manual Recovery Mode of HDD SHERIFF you can test software, updates, shareware, even delete or modify files. It's up to you, to decide when or if the modifications that have taken place are backed up / saved permanently (the HDD SHERIFF password is required in order to save changes permanently) Manual Recovery can be used to the point where the backup area fills up. Machines running in Manual Recovery require more space for the backup area

Installation and Configuration

> Installing HDD SHERIFF Driver Software for Software Solution

Configuring options

Select the desired options by inserting a checkmark in the designated field:

Restore CMOS

Here you can decide if you also wish to backup up the CMOS / BIOS settings of the computer. Should there be any modifications in the BIOS, they can be returned to the original setting automatically. Changed settings can be accepted, to do this, a password is required to accept new settings.

Note: This option is not compatible with all current Motherboard BIOSes (ie. DualBIOS types) and may cause problems during the POST phase of the machine start.

Please use this option with caution, contact the motherboard manufacturer for more information about the installed BIOS.

> Ignore Scandisk

Here you instruct Windows® (ie. Win98) to not execute a Scandisk after the improper shutdown of the OS (Operating System) during the next restart (Enable / Disable).

> LowLevel Format

Here a Low LevelFormat (command) can generally be blocked (recommended by the manufacturer).

> HDD SHERIFF

Protect HDD Sheriff memory
Here the address area of HDD SHERIFF is fixed.

For example by Windows 2000 or Windows XP, this option can be activated [set to Yes].

*NT4 installations require the setting to be set to YES (activated).

Some graphic cards are not compatible with this setting and will not load the graphic driver if the setting is YES. The result being the screen stays blank or the a VGA like screen resolution is displayed when the Windows interface is loaded.

To correct issues with graphic card compatibility set the option to NO.

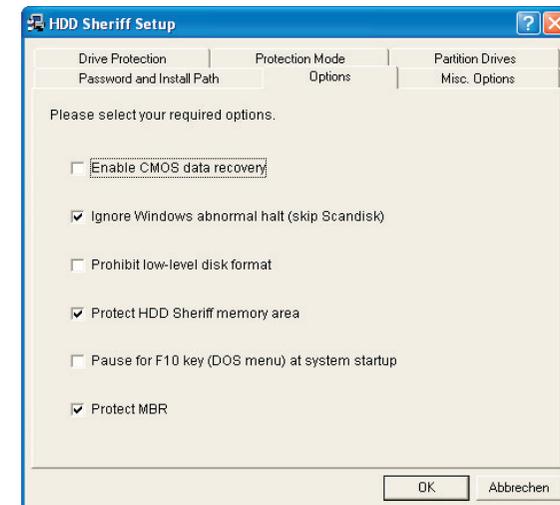
> Starting HDD SHERIFF - display longer

In DOS the display of the message "Starting HDD SHERIFF" can be extended when starting the computer (this option is very helpful for quick computers as you might not have enough time to press the key F10 for the HDD SHERIFF DOS Menu) For more detailed information please see [Working with HDD SHERIFF in DOS console](#).

> Protect Master Boot Record

With this option the Master Boot Record (MBR) is permanently protected. (Recommended by the manufacturer) Some programs write their information to this area and need access. (ie. AutoCad®)

For these programs, the option must be temporarily set to "disabled" until the license information has been successfully written to the MBR.



Installation and Configuration

> Installing HDD SHERIFF Driver Software for Software Solution

Setup configuration

Activate the desired options by inserting a checkmark in the designated field as seen in the adjacent picture.

Settings:

> After the installation, start once on the Supervisor Mode

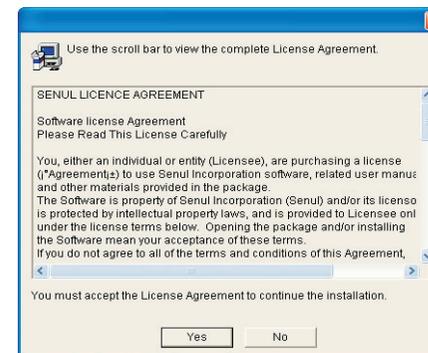
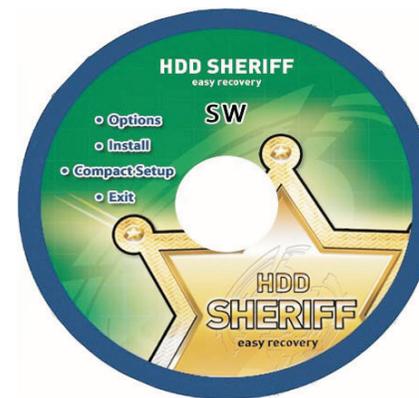
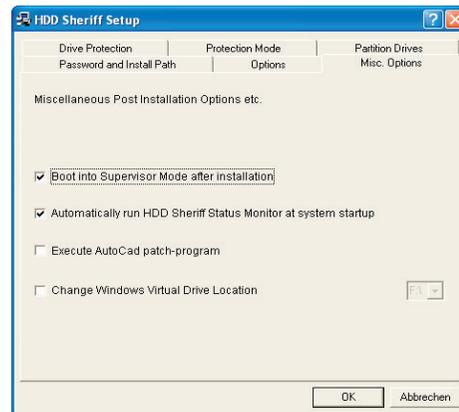
This option is recommended by the manufacturer because changes to the configuration take place during the first startup after completing the installation. These modifications must be accepted prior to changing into protected mode.

> Enter HDD SHERIFF Status display icon in Autostart.

With this option an asterisk is automatically set in your task bar so that you can administer HDD SHERIFF in Windows. (Blue star: Protection Mode
Red star: Supervisor Mode)

> Activate license protection for AutoCAD® or 3DMax®

When activating this option, the *currently* installed license keys for ie. AutoCAD® or 3DMax® in the Master Boot Record will **not** be overwritten.



> Selecting host drive for the Windows swap file

When activating this option, you can select another drive to host the SWAP file (this is required mainly for WIN98 and ME)

When you are satisfied with the configuration, click OK

Installation on a Multi-boot system (using the Windows Boot Manager)

In the event several operating systems are installed on your machine, install HDD Sheriff 1st on the first partition. For Operating Systems which are installed on additional partitions, you should only select to install the "Compact Setup". Compact Setup will install the appropriate OS driver for the additionally installed OS's.

If only one Windows Operating System is being used, there is no need for installation using the "Compact Setup" option. Choose the full "Install" option in this case.

Accept the License Agreement with "Yes" if you agree to continue. If you do not agree with the presented License agreement click "No" to end the setup.

Installation and Configuration

> Installing HDD SHERIFF Driver Software for the Software only Solution

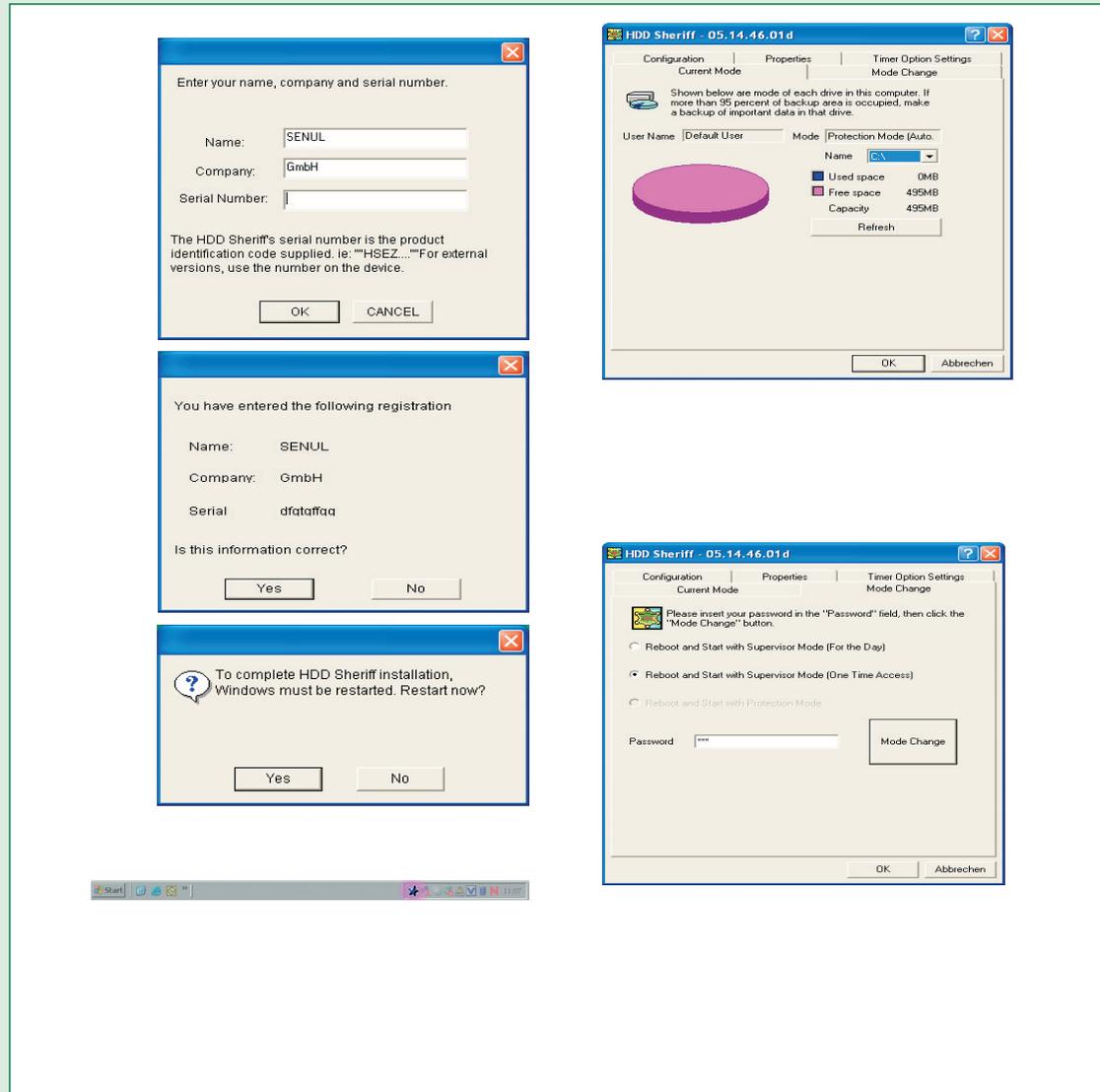
Please enter your company information and accompanying software serial number

Should you wish to pull an image of your system (ie. with "Ghost®" or "Drive-Image®"), do this before the machine restarts into Windows. Insert the Ghost® or Drive-Image® CD and save the image to an external drive. If you let the machine reboot, HDD SHERIFF will activate the options you set during the installation and an image will be more difficult to create. Please be absolutely sure to save the MBR information in the image otherwise the HDD Sheriff will not work when restored to the target machine.

After the installation has completed, remove the installation CD from your drive and reboot the Operating System. Default setting will install and start HDD Sheriff the 1st time in Supervisor Mode.

Should you wish to view the selected options, double click on the blue or red star in your Windows task bar. The HDD SHERIFF menu will open and display the current settings.

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The first screenshot shows a registration dialog box titled "Enter your name, company and serial number." It contains input fields for Name (filled with "SENU"), Company (filled with "GmbH"), and Serial Number. Below the fields is a note: "The HDD Sheriff's serial number is the product identification code supplied. ie. ""HSEZ...."" For external versions, use the number on the device." There are "OK" and "CANCEL" buttons.

The second screenshot shows a confirmation dialog box titled "You have entered the following registration" with the following details: Name: SENUL, Company: GmbH, Serial: dfataffa. It asks "Is this information correct?" with "Yes" and "No" buttons.

The third screenshot shows a dialog box titled "To complete HDD Sheriff installation, Windows must be restarted. Restart now?" with "Yes" and "No" buttons.

The fourth screenshot shows the "HDD Sheriff - 05.14.46.01d" configuration window. It has tabs for "Configuration", "Properties", and "Timer Option Settings". The "Current Mode" tab is active, showing a pie chart of disk usage: Used space 0MB, Free space 495MB, Capacity 495MB. It also shows "User Name: Default User" and "Mode: Protection Mode (Auto)". There is a "Refresh" button.

The fifth screenshot shows the "HDD Sheriff - 05.14.46.01d" configuration window with the "Mode Change" tab active. It prompts the user to "Please insert your password in the 'Password' field, then click the 'Mode Change' button." There are three radio button options: "Reboot and Start with Supervisor Mode (For the Day)", "Reboot and Start with Supervisor Mode (One Time Access)" (which is selected), and "Reboot and Start with Protection Mode". There is a "Password" field with three asterisks and a "Mode Change" button. "OK" and "Abbrechen" buttons are at the bottom.

Explanation of the HDD SHERIFF Windows dialog box

Current modes

The current mode for the respective partition / drive will be displayed (Auto Recovery or Manual Recovery Mode) and the current usage of the allotted space for the HDD SHERIFF backup area. If your HDD Sheriff is running in Supervisor Mode the Window will show no usage and display 0 in the capacity field.

Change Mode – Supervisor Mode

Here you can change the current running mode of your HDD Sheriff. The correct password is required to carry out this operation (standard password: hdd). After entering the password click on "Change Mode" to carry out the operation. Clicking on "OK" or "Cancel" will not carry out the command and will close the active Window.

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Explanations to the HDD SHERIFF Menu

Planned tasks Manual Recovery Mode Continuous Operation

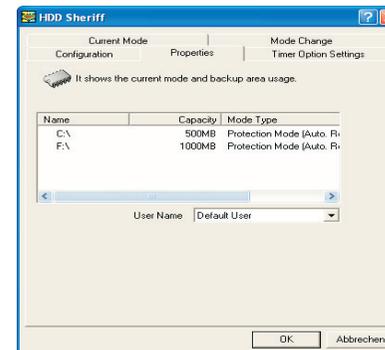
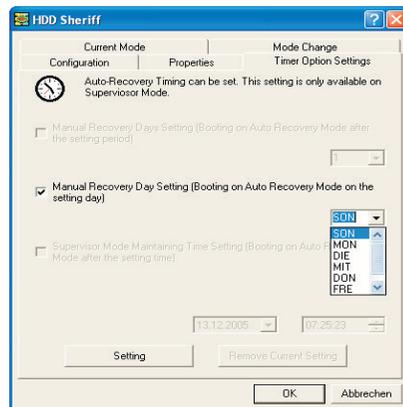
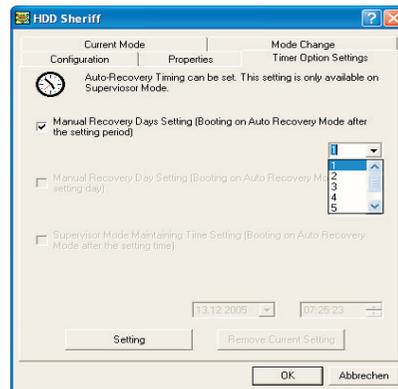
Explanation:

Let us assume the user has worked in Manual Recovery Mode (=all modifications are locally recorded and will be at the user's disposal after rebooting) for 3 days. After 3 days and a manual reboot the computer will enter Auto Recovery Mode. All changes made during the last 3 days of Manual Recovery operation will be discarded. (the max period for this option is 7 days)

Manual Recovery Mode - Continuous Operation, in this case "Weekday".

Explanation:

Using the same example as above, with the simple difference this option switches into Auto Recovery Mode on a given working day, ie. Tuesday or Wednesday, (weekdays: Monday – Sunday can be selected as required)



Supervisor Mode - Continuous Operation, switching into the Protection Mode according to date and time:

Explanation: Inserting a date and time in the console will instruct the HDD Sheriff to run in Supervisor Mode until the System administrator finishes making the required changes or until the stated time has elapsed (protection is deactivated)

After the time period has expired and the computer has been restarted, the configuration will return automatically to the previously defined, last accepted Supervisor Mode configuration. The machine will additionally be in Protected Mode - Auto Recovery.

Settings:

Here you can see how the drive protection was set during the initial installation. Same as "F10" Menu setting.

Installation and Configuration
 > Installing the HDD SHERIFF Teacher /
 Admin Console

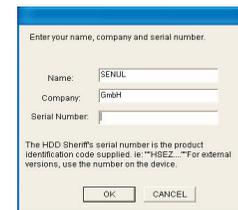
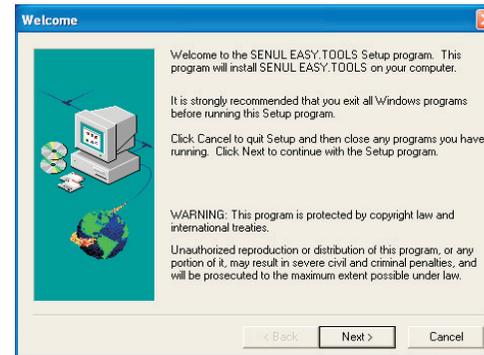
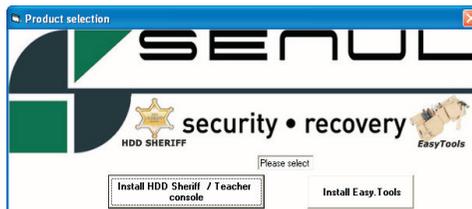
Important:
 Installation of the Admin /
 Teacher Console

If you use HDD SHERIFF in a network environment, the Teacher /Admin console can provide definite advantages. The potential exists for great administrative time savings.

To install, insert the HDD SHERIFF installation CD into your CD ROM drive and click on the desired language and then **Install HDD Sheriff / Teacher console**.

Click **Teacher Console / Client software**.

Please confirm acceptance of the license agreement. The installation will continue automatically.



Now enter your name, company and the standard serial number **CM10BSTT9490** and click "Next".

Please select the following options.

Supervisor Console installation
 This option will install the Admin / Teacher console on the chosen PC. Normally this is the teachers / trainers PC or a PC designated for Administrative functions. This program will allow the teacher to control the HDD Sheriff installed computers over the network.

Client module installation
 This Client module must be installed on every computer in order to use the functions available in the Admin / Teacher console. The Administrative PC can then communicate with the Client computers over the network.

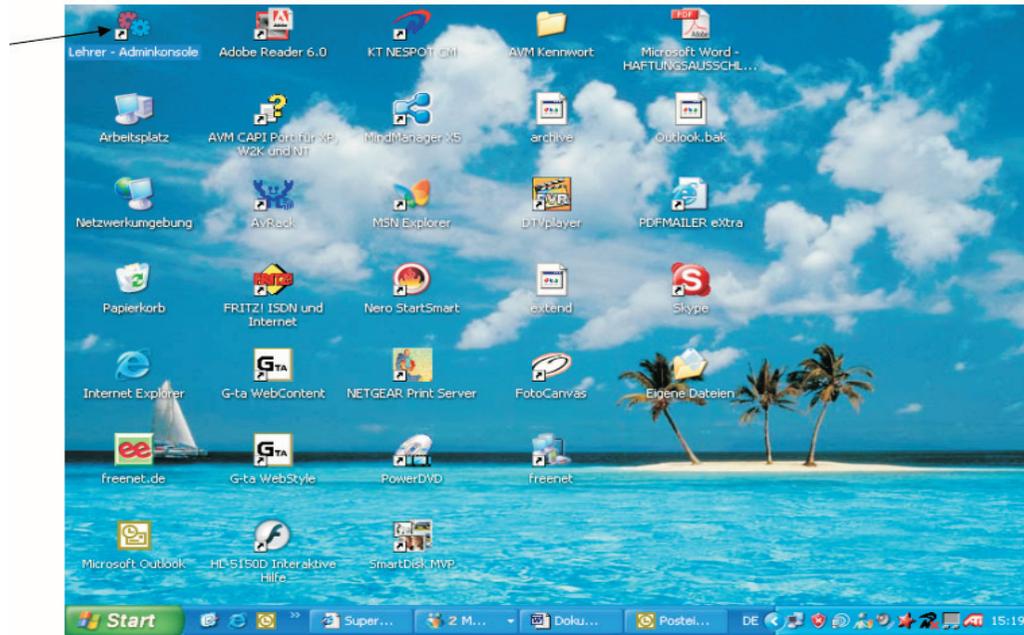
WOL
 When clicking the option "WOL", a special application will be installed which enables communication over your TCP/IP segments into other subnets. It must be installed on both subnets

Using the Teacher / Admin Console

After installing the Teacher / Admin Console, an ICON will be generally placed on your desktop.

Should this not be the case, go to "Start/Program Files/SenuL" and drag the link (ICON) onto your desktop (or use the right mouse key to make an additional Link)

Double-click the Teacher / Admin Console to begin importing / entering the client information



After opening the Admin / Teacher Console the following password query will appear.

Enter the following:

For the "Admin / Teacher Console Password" enter the following password in capital letters:

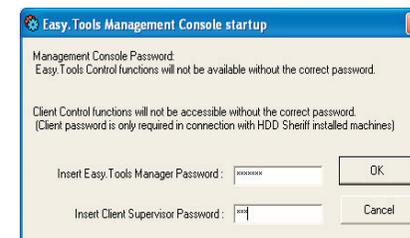
"SENULOCMGR"

(0=zero)

For the "Client Supervisor Password" enter the following password:

Default Password:
"hdd"

This password is only valid if you did not change it during the installation of the client based HDD Sheriffs, enter the given HDD Sheriff password otherwise you will not be able to communicate with the client PC's



Functions of Teacher / Admin Console



By clicking this icon, you can link the computers with the Teacher / Admin console.



This icon offers you the possibility to combine the Student computers in groups in order to carry out a joint control.



This icon updates the present status of the Client / Student computer.



Here you can lock the computers and release them again
Lock: keyboard and mouse are locked, the screen is blacked out.



This option allows the computers to be shut down, restarted or started up over the network (WOL full support is required)



Here you can start programs such as Word, Excel a.o. on the Student computers by remote control



Communication between teacher and student by means of an integrated message module



Here various functions can be carried out on the Student computers by remote control at a certain time (date time) such as

- start of the program by remote control
- new start into various operating methods (automatic, manual, recovery or supervisor mode)



For HDD SHERIFF Users...

Here the teacher / administrator can change all or individual computers via the network into the various operating methods such as automatic recovery, manual recovery or supervisor mode

Using the Teacher / Admin Console

Add computer:

With this function you can “enter” or “add” computer you wish to administer via the network.

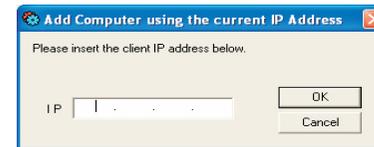
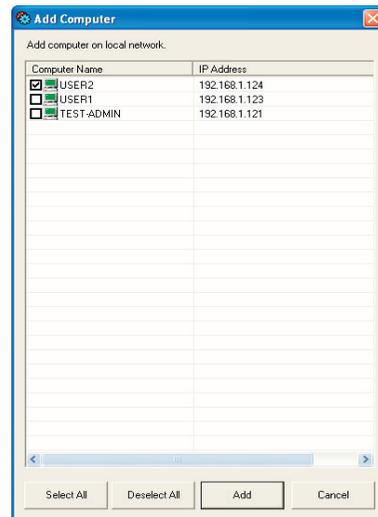
Attention:

When using this function, the Windows function “File & Print Services” (part of the Microsoft client services) should be installed and active in order to support the full integration of the Client (see network environment) Please ensure also that the same computer group is in - use. ie. Workgroup

Add computer

By clicking the function “Network Environment – Total Network” you can find the computers which are active in the network. Select the computers you wish to install and click “Add”, This function will verify the client address and insert the computers into the manager control window. These computers can then be administered via the network.

In the event no computer is shown in “Total Network”, add your Client computers in Computers via IP Address manually. Display may vary.



Add computer via IP address

This allows you to insert new computers into the Management Console using their current IP Address. This may be necessary in the event the clients do not appear in the Computer Network Neighborhood list. Simply enter the current IP address and click on “OK”. The machines IP Address will be validated and then it will appear in the right screen.

Please ensure that the respective ports in the firewall configuration are open to this TCP/IP traffic.

Use of the Teacher / Admin Console

Explanation of the menu item Extras

Resetting computer remotely

With this function you can reset all (or individually) computers running in manual recovery

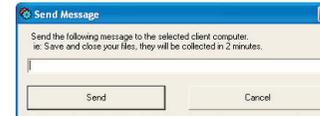
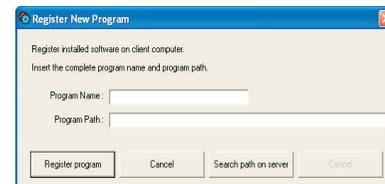
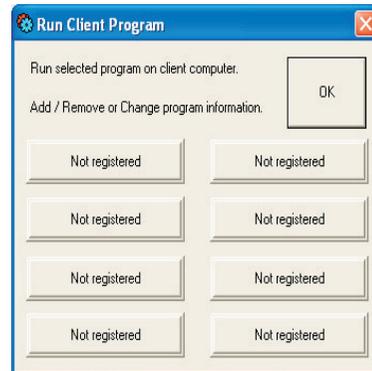
Executing programs remote

With this function you can start various client installed software "remotely" via the network. Try to install all programs in the same directory location on all PC's

In order to use this function click an available "Not registered" input box and enter the name & the correct path to the program. Programs such as Word, Excel etc.. can be started without problemusing this function. They are generally installed in standard directories.

In the event you do not know where the program is please click to "Server Path" and look for the program you wish to start via the network.

Note: Please keep in mind, the "path" is the path to the program located on the client PC's hard drive, not on your local hard drive.



Sending messages

With this function the Teacher / System Administrator can communicate with the individual users via the network. This function allows sending simple messages only.

Configuration scheduler

Executes programs at certain times of the day remotely.

Working with the HDD SHERIFF DOS Manager Console in the DOS Mode

Reasons and functions of the HDD SHERIFF "DOS Console"

Machines running in **Manual Recovery**.

Should the client computers be no longer react correctly, to the point that the operating system does not successfully load, you can simply access the "HDD SHERIFF" in the DOS Console and restore the configuration to the last saved "Supervisor Mode" configuration.

Do not save a configuration which does not operate correctly,

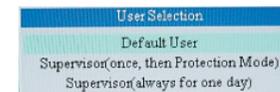
Important!! **Do not save a configuration where the HDD Sheriff Backup Area accidentally filled up.** Messages from the OS like "Cached memory cannot successfully be written to the hard drive" may appear. These messages may appear as a result of a full HDD Sheriff Backup area. The Windows OS see's the error incorrectly as a full hard disk drive. Resetting the machine to it's last known "Supervisor configuration" should correct the error.

In addition, options set during the installation of "HDD SHERIFF" can also be checked and modified if required.

How do I get into this DOS Console?

Boot up your computer, during the boot phase you will see the message "Starting HDD SHERIFF". Press the "F10" key during this period in order to bring up the Supervisor password input screen.

In some cases the HDD SHERIFF User startup screen will appear giving you the possibility to select Default User, Supervisor (One Time...) or Supervisor (for the day). If you need to enter the Supervisor configuration menu press the "F10" key once again. Press escape to exit the menu and boot normally.



Explanation of the User Selection menu

If you confirm "Default User" with **Enter**, your computer will start in the previously set Protection Mode (Either Auto Recovery or Manual Recovery). If you select **Supervisor (once, then Protection Mode)** or **Supervisor (for the day)** with **Enter**, the computer will start in this mode. In this case the HDD SHERIFF protective function of HDD SHERIFF is deactivated.

Supervisor configuration

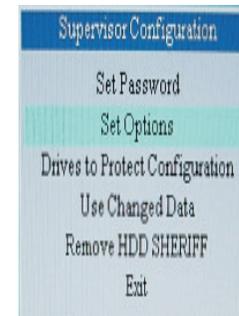
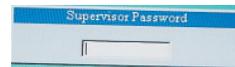
At the very bottom you will see the possibilities "Enter: Select "F9" User Configuration and F10 Supervisor Configuration". Here we distinguish again between the typical "User" and **Teacher** or Administrator.

Press the "F10" key in order to get into the administrative area of the HDD SHERIFF DOS Console.

Working with HDD SHERIFF DOS Manager Console in the DOS Mode > Supervisor Configuration

After the User Selection you pressed F10:

The window **Supervisor Password** will appear. Please enter your given Supervisor password entered during the installation of HDD SHERIFF and confirm with **Enter**. The menu **Supervisor Configuration** will open when the correct password is entered. The system will restart if the password is entered incorrectly 3 times.



The following options will now be at your disposal.

Set Password
Here you can modify your password. Enter your new password and confirm with **Enter**. (standard password: hdd)

Enter the password and hit the Return key to change permanently.

Configuring Options
Please go to **Configuring Options** and confirm with **Enter**.

Working with HDD SHERIFF DOS Manager Console > Supervisor Configuration

Configuring Options DOS Menu

> Restoring CMOS

Here you can decide if you also wish to backup up the CMOS / BIOS settings of the computer. Should there be any modifications in the BIOS, they can be returned to the original setting automatically. Changed settings can be accepted, to do this, a password is required to accept new settings.

Note: This option is not compatible with all current Motherboard BIOSes (ie. DualBIOS types) and may cause problems during the POST phase of the machine start. Please use this option with caution, contact the motherboard manufacturer for more information about the installed BIOS.

> Ignore Scandisk

Here you instruct Windows® (ie. Win98) to not execute a Scandisk after the improper shutdown of the OS (Operating System) during the next restart (Enable / Disable).

> LowLevel Format

Here a Low LevelFormat (command) can generally be blocked (recommended by the manufacturer).

> HDD SHERIFF

Protect HDD Sheriff memory
Here the address area of HDD SHERIFF is fixed.

For example by Windows 2000 or Windows XP, this option can be activated [set to Yes]. *NT4 installations require the setting to be set to YES (activated).

Some graphic cards are not compatible with this setting and will not load the graphic driver if the setting is YES. The result being the screen stays blank or the a VGA like screen resolution is displayed when the Windows interface is loaded.

To correct issues with graphic card compatibility set the option to NO.

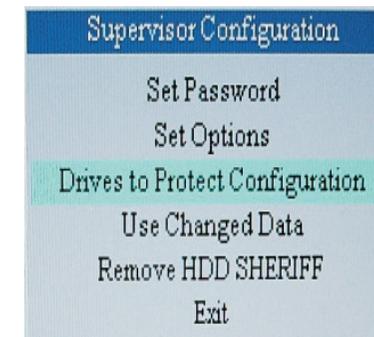
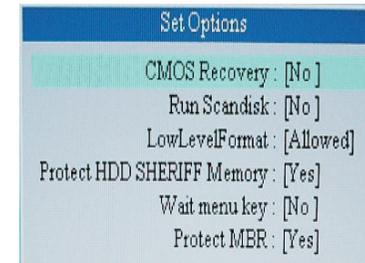
> Starting HDD SHERIFF - display longer

In DOS the display of the message "Starting HDD SHERIFF" can be extended when starting the computer (this option is very helpful for quick computers as you might not have enough time to press the key F10 for the HDD SHERIFF DOS Menu) For more detailed information please see [Working with HDD SHERIFF in DOS console](#).

> Protect Master Boot Record

With this option the Master Boot Record (MBR) is permanently protected. (Recommended by the manufacturer) Some programs write their information to this area and need access. (ie. AutoCad®)

For these programs, the option must be temporarily set to "disabled" until the license information has been successfully written to the MBR.



Working with HDD SHERIFF DOS Manager Console > Supervisor Configuration

Hard disk configuration

Here all configured partitions on the available hard disk(s) are displayed.

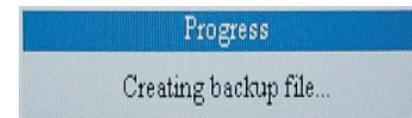
The symbol ^ shows you that in this example, Partition C: is not protected but F: is currently in either the Auto Recovery or Manual Recovery Mode.

If you wish to increase or reduce the HDD SHERIFF backup area after the fact, please use the following procedure:

Press the "Space Key" on your keyboard. A window will open in which you can enter your desired backup size of HDD SHERIFF (50-4000MB). When you have entered the desired backup size, confirm with **Enter**. Note: The offered backup area size depends on available space on the selected partition. 4000 is the maximum size for the partition. In the adjacent screen you see the maximum available is 2939 MB. Note: Defragmentation of the drive may free up more space on the drive and increase the offered space.

Drives to Protect Configuration				
HDD	FS	Label	Size	
C: HDD1	FAT32	NO NAME	5004MB	
^ F: HDD1	NTFS	S038414	33141MB	

Drives to Protect Configuration				
HDD	FS	Label	Size	
C: HDD1	FAT32	NO NAME	5004MB	
^ F: HDD1	NTFS	S038414	33141MB	



Drives to Protect Configuration				
HDD	FS	Label	Size	
C: HDD1	FAT32	NO NAME	5004MB	
^ F: HDD1	NTFS	S038414	33141MB	

Drives to Protect Configuration				
HDD	FS	Label	Size	
C: HDD1	FAT32	NO NAME	5004MB	
^ F: HDD1	NTFS	S038414	33141MB	

Enter

Enter backup area size for 'Default User'(50-2939 MB)

Select Protection Mode Option for 'Default User'

Auto Recovery (at Every Boot)

Manual Recovery (at Request)

After this step has been carried out, the created memory area (Backup Area) for HDD SHERIFF will be loaded / activated automatically. Please test the protection for the drive with simple changes. Do not delete the drive in the first step. Create an icon on your desktop and reboot the machine, The icon should no longer be on the desktop.

After the Backup area has been created, the decision in which protection mode (Auto Recovery or Manual Recovery Mode) the selected partition or hard disk partition is to operate can now be made.

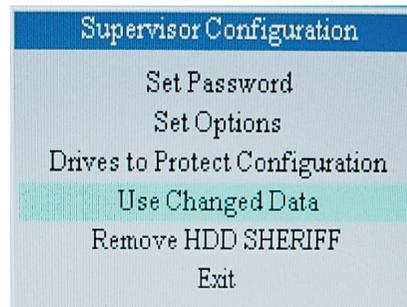
Error messages may be generated if the HDD Sheriff cannot create the backup file on the selected partition. This may happen in connection with NTFS formatted drives. To resolve this problem, simply copy the hidden directory \drvbkup and its contents over to the directory in which you wish to protect. Repeat the procedure in the Supervisor DOS console, it should then complete without error.

Backup of changes made in
Manual Recovery

Here you can back up the modifications which have been made to the system during the Manual Recovery session.

Example:

A user has worked in Manual Recovery Mode for 3 days, after 3 days the user wishes to protect or keep the work / modifications he made during that period. Using the Supervisor DOS Console, the Teacher or Administrator selects the option "Use changed Data" to accept and write the changes permanently to the configuration. All modifications made during the Manual Recovery session will be taken over.

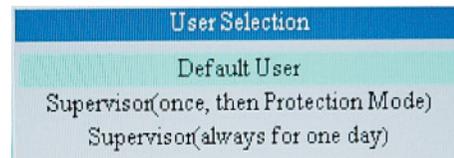
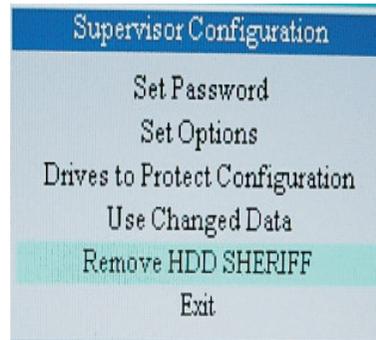


Delete HDD SHERIFF

Here you can remove the HDD SHERIFF (PCI / External and Software) (**not recommended by the manufacturer, execute a de-installation in the Supervisor Mode under Windows instead!**) in Start / Program Files/Senul uninstall HDD SHERIFF.

Exiting the Supervisor Menu
Go to **Exit** and confirm with **Enter**, you will automatically get into the menu **User Selection**.

Working with the User configuration DOS Options:



Press the F9 key to get into the User Configuration:

The window "User Password" will appear.

Please enter your User Password (the default password is "user") and confirm with **Enter**. After hitting enter the "User Configuration" DOS Menu will open.

In this menu the user himself can execute settings after installing HDD SHERIFF such as modifying the protection mode (Auto Recover, Manual Recovery Mode) or restoring the original state in the Manual Recovery Mode.

Working with HDD SHERIFF DOS Manager Console in the DOS Mode > User Configuration

Configuring User Password

Here you can input your own User password. You can also get into this menu with your Supervisor password.

Press **Enter**, enter your User password again and confirm with **Enter**.

The following options will now be at your disposal:

Restoring original state

Here you can restore the machine to its last saved Supervisor configuration. Changes made in Manual Recovery Mode will be discarded. Saving the new configuration is only possible with the supervisor DOS Console.

Example:

In the event you have worked in the Manual Recovery Mode for a couple of days and wish to discard these modifications, move to the option **Recover to Original**, press **Enter** and **Yes** to discard the changes and return to the last saved Supervisor configuration.

The screenshots illustrate the following steps:

- User Configuration** menu with **User Password Setting** highlighted.
- User Password** input screen with a cursor in the field.
- User Configuration** menu with **Recover to Original** highlighted.
- Select Protection Mode Option for 'NO NAME'** menu with **Manual Recovery (at Request)** highlighted.
- User Configuration** menu with **Exit** highlighted.
- Confirm** screen with the message "No partition exists configured as a Manual Recovery partition" and **Ok** highlighted.
- User Configuration** menu with **Exit** highlighted.

Protection Modes Options

Here you can decide if you wish to work in the Auto Recovery or Manual Recovery mode. Go to the desired mode and confirm with **Enter**.

Exiting the User Menu

Move to **Exit** and **Save changes** when prompted. Your settings for HDD SHERIFF will be saved. If you do not wish to take over the changes, press **No** to exit the menu.

Error recovery
> Manual Configuration of Backup Area

If for whatever reason the backup area of HDD SHERIFF has not been started, please execute the following steps.

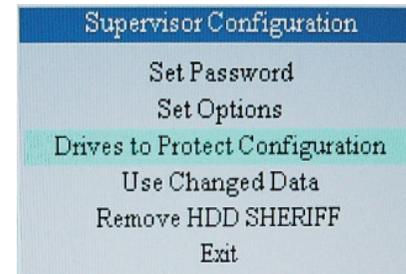
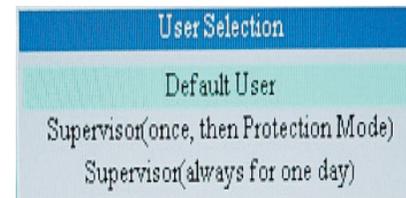
Please boot up your computer and "Starting HDD SHERIFF" will be displayed. Now press F10 to get into the User Selection menu.

Supervisor configuration

At the very bottom you will now see "Enter: Select F9 user Configuration and F10 Supervisor Configuration".

Now press key F10 to get into the Supervisor Configuration of HDD SHERIFF.

Now select Hard Disk Configuration and confirm with Enter.



Error recovery

> Manual Configuration of Backup Area

Configuring hard disks

All partitions and hard disks are displayed here.

The bracket ^ shows you that in this example the partition C: is protected both in the Auto and in the Manual Recovery Mode.

If you wish to increase, reduce or restart the HDD SHERIFF backup area afterwards, please carry out the following steps:

Select any partition you wish to protect with HDD SHERIFF, press the "Space Key" on your keyboard. A window will open, in which you can insert your requested backup size of HDD SHERIFF (50-4000 MB) and confirm with the key **Enter**.

Drives to Protect Configuration			
HDD	FS	Label	Size
C: HDD1	FAT32	NO NAME	5004MB
^ F: HDD1	NTFS	S038414.	33141MB

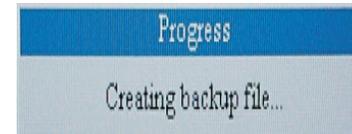
Drives to Protect Configuration			
HDD	FS	Label	Size
C: HDD1	FAT32	NO NAME	5004MB
^ F: HDD1	NTFS	S038414.	33141MB

Enter

Enter backup area size for 'Default User'(50-2939 MB)

1000

Drives to Protect Configuration			
HDD	FS	Label	Size
C: HDD1	FAT32	NO NAME	5004MB
^ F: HDD1	NTFS	S038414.	33141MB



Drives to Protect Configuration			
HDD	FS	Label	Size
C: HDD1	FAT32	NO NAME	5004MB
^ F: HDD1	NTFS	S038414.	33141MB

Select Protection Mode Option for 'Default User'

Auto Recovery (at Every Boot)

Manual Recovery (at Request)

The storage area (Backup Area) will automatically be started when the machine boots. The message Starting HDD SHERIFF will appear, as soon as the Backup Area has been verified the selected mode will be displayed and the machine will boot.

Now you can select in which Protection Mode (Auto or Manual Recovery Mode) the protected partition or hard disk is to start.

After confirming, press the **ESC** to return to the main DOS Console. Press Exit to return to the "Default User" menu. By selecting Default ser your machine will start in the configured protection mode. A User Password windows may appear, Enter the User or Admin password to continue and boot up the system.