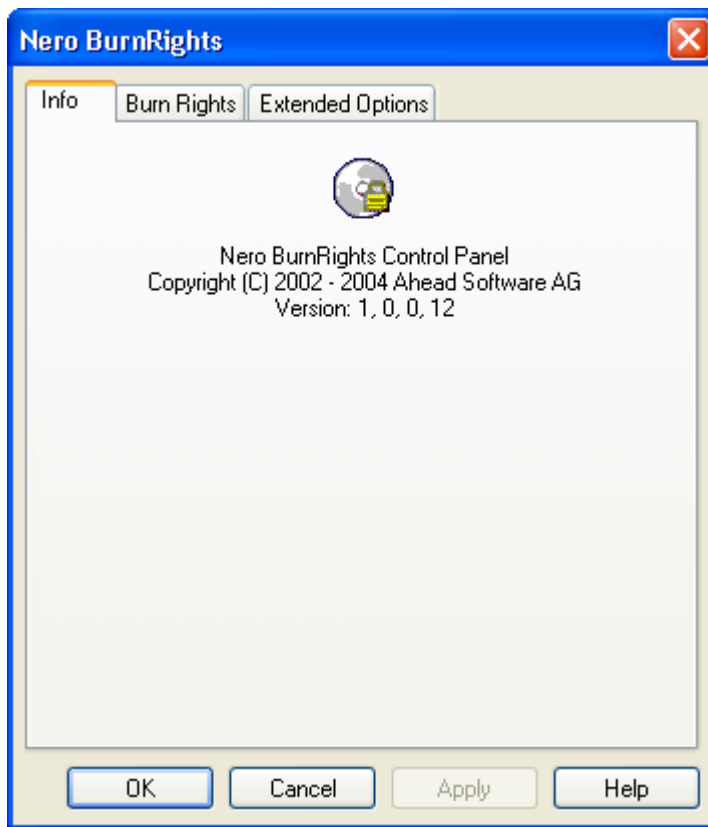


1 Nero BurnRights

1.1 Nero BurnRights



There needs to be a way to handle the security aspects of CD/DVD recording under Windows 2000 and Windows XP. CD/DVD pre-mastering software such as **Nero** must be able to send SCSI/IDE commands to CD-ROM/DVD-ROM drives or CD/DVD recorders. However, from the operating system perspective, the ability to send SCSI/IDE commands to devices represents a huge security problem, because software could use the SCSI/IDE commands to format the hard disk, read other user's data or create other severe problems. That is why Microsoft decided to allow low level driver access only for programs running with administrator rights.

Let's imagine a situation with a Windows 2000 or Windows XP PC in a network environment and with many different users. Security considerations make it absolutely impossible to grant administrator rights to every user. So there first has to be a way to allow CD/DVD recording for non-administrators and to be able to decide which users may record CDs or DVDs and who may not.

The way to solve this situation is to install **Nero BurnRights**. Once **Nero BurnRights** has been installed, the system administrator can assign the rights to record CDs/DVDs on the system to a specific group. If an administrator wants to allow or deny certain users CD/DVD recording rights, it is sufficient to make the users members of this group (or remove them from it). If all are to be granted the right to record CDs or DVDs, the recording rights can be assigned to everybody.

1.2 Installation

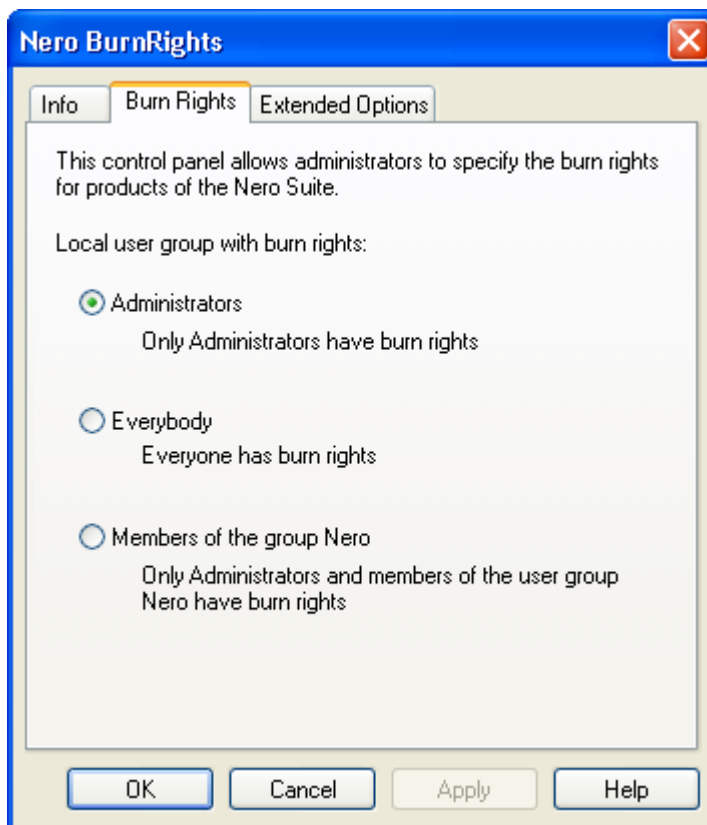
If you want to install **Nero BurnRights** you must be member of the administrator group. Please shut down all other applications before you execute the installation file.

The installation is quite simple, because all steps are carried out automatically. You will be informed should any problems occur. Please just follow the steps described. You can assign additional groups that are to have the right to burn when **Nero BurnRights** is running as soon as the installation process has finished. A system restart is mandatory to finish the setup.

You can learn more about installation in the following sections:

- Installation directory
- When NeroSVC or NeroSecurity has already been installed
- Installation via script

1.3 Realizing Nero BurnRights on your system



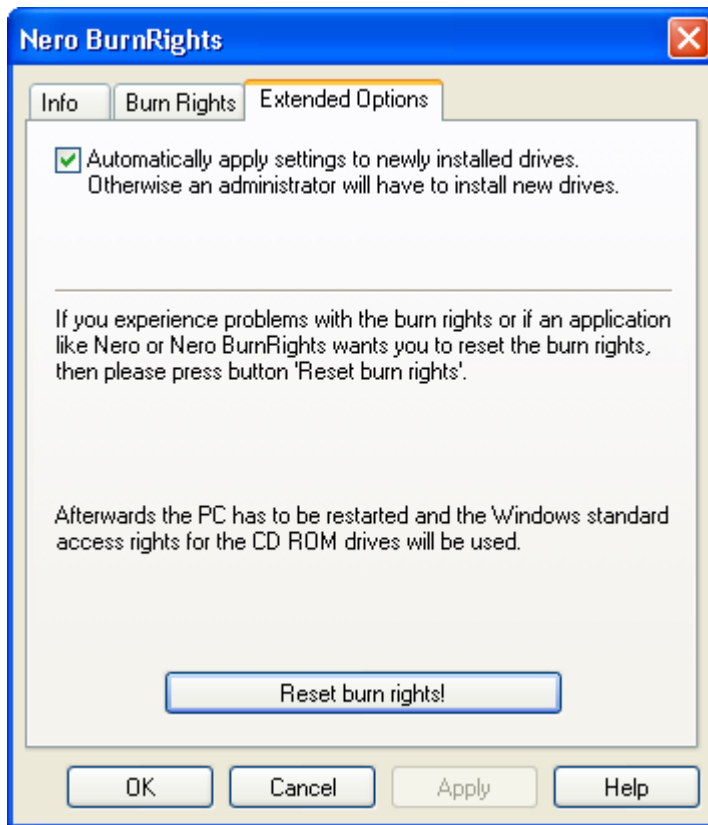
Nero BurnRights is now a component of the control panel and can be launched from there. It will give you these three options:

A	Only Administrators will have burn rights. (This is the default setting with Windows 2000 and Windows XP)
B	All locally registered users will be able to burn
C	Only administrators and a selected group of users will have the right to burn. (This option is not available with XP home edition) This option distinguishes between user groups that are allowed to burn, and groups that are not. The default name for the group with burn rights is "Nero". Any user can be added to this 'privileged' group at any time by proceeding as follows: Click on: 'Start' -> 'Settings' -> 'Administration Tools' -> 'Computer Management' -> 'Local Users and Groups' -> 'Groups' Now you can add the preferred users to the 'Nero' group.

NOTE:

- If you would like to change the name of the group with burn rights, please read the 'Renaming the group that has burn rights' section.
- The 'Nero' group will be set up automatically, if it does not already exist.

1.4 Advanced options



You will find the 'Automatically apply settings to newly installed drives. Otherwise an administrator will have to install new drive' option on the 'Advanced options' tab.

On many systems, new drives have been installed at a later point in time. Often it is not even necessary to have administrator rights in order to install these drives correctly. This switch defines how **Nero BurnRights** should react to drives that have not been installed by the administrator.

- **Setting: The option is activated**
Burn rights also apply for each CD/DVD drive that has been connected at a later stage.
Note: This option is selected with the command line parameter `"/sec_class"`.
- **Setting: The option is disabled**
The installation of a new drive must be carried out by an administrator, so that the user who is entitled to record on media may use the drive for burning.
Note: This option is selected with the command line parameter `"/sec_device"`.

1.5 How to uninstall Nero BurnRights

Nero BurnRights can be uninstalled like any other software listed in 'Start' -> 'Control Panel' -> 'Add or Remove Software'. Select 'Nero BurnRights' and press on 'Change/Remove'.

1.6 Additional notes on Nero BurnRights

1.6.1 Installation

1.6.1.1 Installation directory

1. The regular installation directory of **Nero BurnRights** is called 'NeroBurnRights'. If **Nero** is installed already, the installation directory of **Nero BurnRights** will be on the same level.
e.g.
If program 'Nero.exe' is on 'D:\burning\ahead\Nero'
Nero BurnRights will be installed in the following directory:
'D:\burning\ahead\NeroBurnRights'
2. In case **Nero** is not installed, **Nero BurnRights** will be installed in the 'ahead\NeroBurnRights' subfolder of the default program directory.
Ifs 'C:\Program Files' is the default program folder, **Nero BurnRights** will be installed in 'C:\Program Files\ahead\NeroBurnRights'.
3. If you do not like the path it is going to be installed in as just shown in points 1 and 2, you can define your own directory as follows:
Invoke the NeroBurnRights Installer with the following parameter:
/path=<requested path for NeroBurnRights>
NOTE:
If there is a blank in the name of the path you will have to set quotation marks at the beginning and end.
e.g.:
"/path=D:\My Programs\ahead\NeroBurnRights"

1.6.1.2 When NeroSVC or NeroSecurity has already been installed

The **Nero BurnRights** installer will notice a previous installation of this tool and point out possible difficulties and how to resolve them.

NOTE:

A	Uninstall NeroSVC or NeroSecurity only if your asked to do so, because Nero BurnRights will adopt the current group which already has burn rights.
B	One problem could be that a group with burn rights, will keep these rights even if it is assigned as being a group without burn rights in Nero BurnRights . You will find more information in the "Problems" section
C	The administrator will not be informed about problems if '/silent' installation is selected. Please refer to B.

1.6.1.3 Installation via script

This issue is only of interest for network administrators because it spells out the options for the script-controlled installation of **Nero BurnRights**.

Possible settings:

A	<p>Nero BurnRights can also be installed from a script, so not requiring any additional user information.</p> <p>Parameter: /silent</p>
B	<p>You can select the requested group that should have burn rights by following the steps below.</p> <p>Parameter: /burnrights:admin only members of the administrator group can burn /burnrights:all all users registered locally will be able to burn /burnrights:group=<any groupname> only members of the administrator group and the selected group will be able to burn</p> <p>Note: If there is a blank in the name of the group you have set quotation marks in the beginning and the end. e.g. "/burnrights:group=nero burngroup"</p>
C	<p>During installation, you can also define which burn rights apply for those drives that have been fitted at a later stage.</p> <p>/sec_class</p> <p>Burn rights also apply for drives that have been installed later on. Administrator rights are not needed in order to install these drives. Note: This is the general case when Nero BurnRights is being installed for the first time.</p> <p>/sec_device</p> <p>Burn rights are only changed for those drives that are currently connected. If a drive is to be inserted later on, it will have to be installed by the administrator. Only then may a non-administrator use the drive for burning.</p>
D	<p>You can also use the way described in 'Installation directory' Section 3 to set up the directory.</p> <p>"/path=<requested path for Nero BurnRights>"</p>

So all the listed parameters below are supported:

/silent
/path=<requested path for Nero BurnRights>
/burnrights:admin
/burnrights:all
/burnrights:group=<any group name>
/sec_class
/sec_device

1.6.2 Renaming the group that has burn rights

If **Nero BurnRights** has been installed and the group with burn rights is not to be the 'Nero' group.

A	You can change the current group name if the group to be granted burn rights, does not yet exist. Nero BurnRights will recognize the renamed group.
B	If the requested group already exists: <ul style="list-style-type: none">▪ Please start Nero BurnRights and select the administrator group as group with burn rights. Now close the program. Do not reboot the system!▪ Now start regedit and go to 'HKEY_LOCAL_MACHINE\SOFTWARE\ahead\Nero BurnRights' Add a new string (REG_SZ) entry. Name it: ModNeroGroupName And enter the requested group name.▪ Start Nero BurnRights. Now the name entered will be taken over.

1.6.3 Command line options

Nero BurnRights can also be called up using command line options. You will find **Nero BurnRights** in the **Nero** installation directory of the **NeroBurnRights** folder. The program file is called "NeroBurnRights.exe".

/admin

Only members of the administrator group have burning rights.

/all

All users logged on locally are allowed to burn media.

/group=<any group name>

Only members of the administrator group and the group specified may burn media.

NOTE:

If the group name contains blank spaces, the entire parameter must be written in quotation marks.

"/group=Nero burn group"

/sec_class

Burn rights apply for drives that have been installed at a later stage. Administrator rights are not needed in order to install these drives.

Note: This is the general case when **Nero BurnRights** is being installed for the first time.

/sec_device

Burn rights are only changed for those drives that are currently connected. If a drive is to be inserted later on, it will have to be installed by the administrator. Only then may a non-administrator use the drive for burning.

/cleanup

Has the same effect as the "Reset burn rights!" button.

1.6.4 Problems

Problem 1

Nero BurnRights is installed correctly but you still cannot burn. Please check if **Nero** or the **Nero** API based product was started in 'compatibility' mode.

Cause:

If the product (e.g. **Nero**) is started in compatibility mode, then the rights assigned by **Nero BurnRights** will not be active.

Solution:

Do not start **Nero** or the **Nero** API based product with enabled compatibility mode.

Where can I find this setting?

Highlight the 'exe file' -> then click on the right-hand mouse button -> make a selection from the 'properties' pop-up menu -> click on the 'Compatibility' tab -> and clear the check box at 'Compatibility mode'.

Problem 2

Users who have no permission to burn still have burn rights. Problems can occur when a group is still able to burn – even though it has no permission to do so.

Cause:

During installation, **Nero BurnRights** does not take away any rights to burn. If the members of a particular group already have rights to burn, these will be retained following installation.

Solution:

Please launch **Nero BurnRights** and click on the "Extended Options" tab. There, click on "Reset Burn rights!".

Problem 3

When you start **Nero** or a product based on **Nero API**, you receive the following error message:

"The setting 'Devices: Restrict CD-ROM access to locally logged-on user only' was changed. This why you have to reset the burn right, so they will be initiated again."

It may also occur that burn rights are lost.

Solution:

Please launch **Nero BurnRights** and click on the "Extended Options" tab. There, click on "Reset Burn rights!".

Problem 4

Burning is only possible when the system is within a domain, but not if it is used as local machine.

Cause:

This behavior is caused by the GPO (group policy objects) defined in the domain. This policy also includes in your network environment the setting 'Devices: Restrict CD-ROM access to locally logged-on user only'. Now, if your machine is within a domain, this setting is enabled. But when you only run it locally it is disabled.

Solution:

This problem can only arise if the button on the "Advanced options" tab is not active.

The following alternatives exist:

- Tick the 'Use settings automatically on newly installed device. Otherwise an administrator will have to connect new devices' check box.
- Start **Nero BurnRights** and change the group of people that is entitled to burn to 'Administrators'. Now, please click on the 'Apply' button to save the changed setting. In the dialog that follows, press 'No', as the system is not yet to be restarted. Now choose the group that had had burn rights before.

Problem 5

You are working on Windows 2000/XP and you receive an error message from the **Nero BurnRights** installer stating that **Nero BurnRights** can only run on Windows 2000/XP.

Cause:

The **Nero BurnRights** installer has an advanced operating system detection, because software exists that is emulating other operating systems so that the correct operating system is not correctly detected.

Under Windows 9x/ME and within the following key
'HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion'
the following entry exists called
'VersionNumber'

However, the **Nero BurnRights** Installer will interrupt the installation process if this entry also exists on Windows 2000/XP. Some other programs can only be installed if they also add this entry in Windows 2000/XP.

Solution:

Change the name of the registry entry mentioned above from "VersionNumber" to "VersionNumber2".

Repeat the installation and change back the name of the entry after successfully installing **Nero BurnRights**.

Problem 6

Nero BurnRights is not working because only administrators have burn rights.

Cause:

If you install **Nero BurnRights** by using another program which only records changes (within registry or files) to your system, it will not work.

For example: Autoinstall (AI) packages generated with Ghost.

Each CD drive has an unambiguous ID. Because **Nero BurnRights** addresses the drives directly during installation, the above method will not function.

The CD-ROM drives will have other names (IDs) on the computer on which the installation was recorded

Solution:

Please install **Nero BurnRights** with the `/sec_class` parameter. (see 'Installation via script')