

InCD 4

Ahead Software AG

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Be aware that some early versions of **InCD 4** do not include all of the features presented herein. Check on www.nero.com for the latest version.

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1 About InCD

1.1 Information on InCD

InCD is a program which formats rewritable discs (CD-RW, DVD+RW and DVD-RW) in such a way that they can be used like hard disks or floppy disks. This means that you can save, copy or delete files from any application onto the disc.



InCD uses only rewritable discs (CD-RW, DVD+RW, DVD-RW). Discs which can only be written on once (CD-R, DVD+R or DVD-R) cannot be used with **InCD**.

1.2 Hints on working with InCD

1.2.1 Operating systems

The system requirements for **InCD** are as follows:

Hardware	CD/DVD-Rewritable compatible recorder (MMC Compliant, Multi-read RW Recorder)
Software	Windows 95 (Version B / Service Release 2 onwards) with the DCOM95 update (available if you install Internet Explorer 4.0) Windows 98 Windows Me Windows NT 4.0 with IE 4.0 Windows 2000 Windows XP Windows Server 2003
Disc type	Rewritable disc (CD-RW, DVD+RW, DVD-RW)



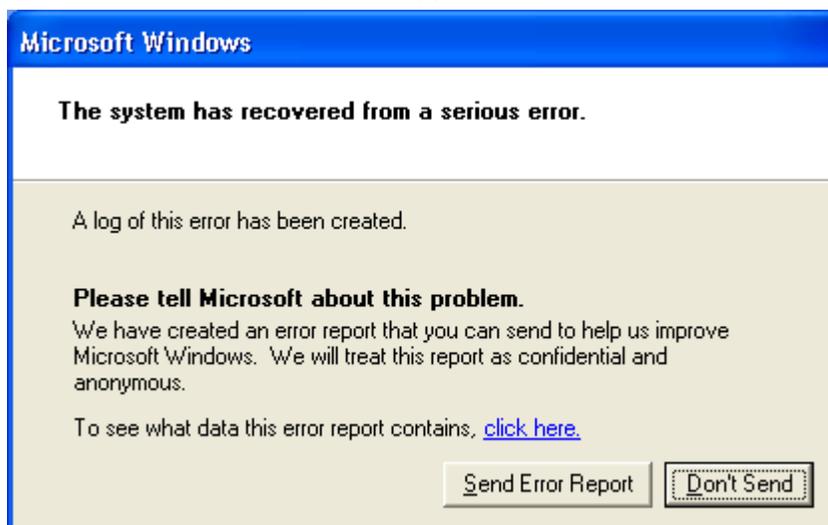
Note for users of Windows 95/98/Me!

InCD is not compatible with the 'Adaptec CD-Burning Plug-in', which is installed as part of Windows Media Player 7.x. Please uninstall the plug-in using 'Add/Remove Programs' from the Windows Control Panel.



To Windows XP users!

If **InCD** causes a serious error, you can send the error log to Microsoft by clicking on the 'Send Error Report' button. Microsoft will then forward it to Ahead Software, so that our software developers can analyze the error and improve the software. Thank you for your support!



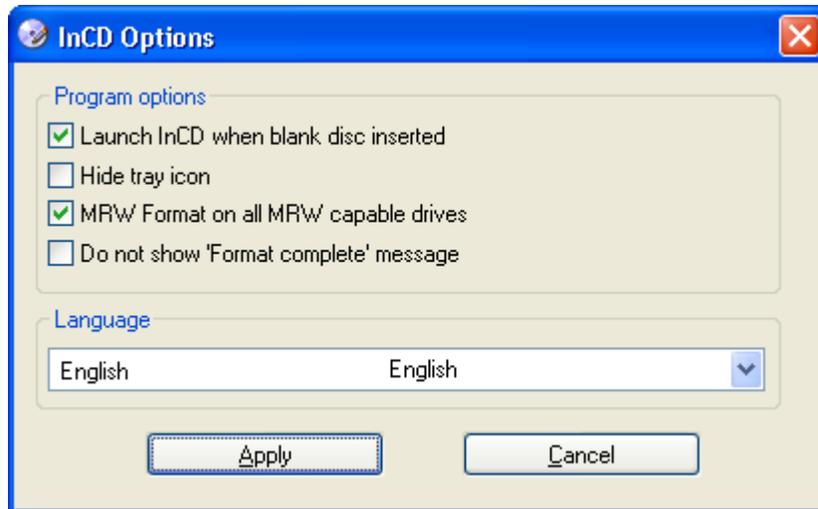
1.2.2 Existing packet writing software



InCD can handle discs formatted by other packet writing software. However, **InCD** is not compatible with other packet writing software. You must uninstall any other packet writing packages before you install **InCD**. Before installation begins, **InCD** will check the applications that have already been installed and will exit the set-up procedure if it finds another packet writing program. A window will be displayed with a message explaining this.

1.2.3 CD-MRW / DVD+MRW (Mount Rainier)

To format discs in the so-called MRW (Mount Rainier) format using **InCD**, you must check the corresponding check box (if **InCD** detects a recorder supporting MRW, then this option is enabled by default). The RW disc will then become a MRW disc once the format is complete. The check box is located in the **InCD** Options dialog box for overall control, and in the drive properties **InCD** tab for drive control. In either case, this option can only be modified if your recorder supports this function. There is more information on this in the 'Options' and 'Drive properties' sections.



Unlike CD-RW and DVD-RW discs, MRW discs can be written on after only about one minute of formatting. This does not mean that the MRW is fully formatted after two minutes, but simply that it is formatted sufficiently for you to be able to copy data on it. The remainder of the formatting will continue in the background.

Mount Rainier is also known as 'EasyWrite'. You can find more information on Mount Rainier at <http://www.mt-rainier.org>.



You can only write data in MRW format with drives that support this format. You must also ensure that the 'MRW Format on all MRW capable drives' checkbox is checked.

Drives that do not support Mt. Rainier can only read these discs with a Remapper (see the 'Remapper' section).



Most drives supporting Mount Rainier feature the EasyWrite logo:



The EasyWrite logo is a registered trademark owned by Philips.

1.2.3.1 Disc type

CD-MRW discs are standard CD-RW discs formatted as MRW on a recorder supporting Mt. Rainier and DVD+MRW discs are standard DVD+RW discs, again formatted as MRW on a recorder that supports Mt. Rainier.

1.2.3.2 Remapper

In order to be able to **read** discs in Mount Rainier format on drives that do not support this format (CD-MRW/DVD+MRW), you need a so-called remapper (the '**EasyWrite Reader**'). This is not installed as part of the **InCD** installation process, so you will need to install it separately. Depending on the operating system, you may also have to install **InCD**.

You can find the information you need in the following table:

Windows 95	You need the remapper in order to be able to read CD-MRW/DVD+MRW. You can download the remapper free of charge from http://www.nero.com .
Windows 98	
Windows Me	
Windows 2000	
Windows XP	
Windows Server 2003	
Windows NT	You cannot read CD-MRW/DVD+MRW using only the remapper. For this operating system you must install InCD as well as the remapper.



The remapper will **not** allow you write MRW discs. Only MRW-write compliant recorders can write MRW discs.

1.2.4 UDF reader driver

On a PC running Windows 95B or Windows 98 or Windows ME and on which **InCD** is not installed, in order to be able to read a disc formatted using **InCD**, you need a UDF reader driver. This driver is part of the above **EasyWrite Reader**. You can download it free of charge from Ahead Software AG's web site at www.nero.com.



Note for users of Windows NT4:

The current version of the UDF driver does not support Windows NT4. If you are running NT4, you must install **InCD** instead of the UDF driver.

2 Installation

2.1 Introduction

InCD comes in several installation packages.

- CD-ROM multi-installer. It pops up when you insert the **Nero** CD-ROM in your drive and if the auto-insert notification is enabled on your system.
- CD-ROM standalone installer. You can install **InCD** bypassing the multi-installer by directly launching the **InCD** installer that can be found on the CD-ROM.
- Internet standalone installer. You can download its Web installer, but if you want to install **InCD** you must have a registered version of either **Nero Burning ROM** or **Nero Express**.

2.2 Installing InCD



To install the software on Windows NT 4.0, Windows 2000, Windows XP Pro or Windows Server 2003, you must have administrator rights.

1. Close all the Windows applications you do not need and close any anti-virus software that may be running.
2. Put the CD with **InCD** on it into the CD or DVD drive or download **InCD**'s Web installer (for instance from www.nero.com).
3. Start the installation
 - CD-ROM Multi installer - Click on the **InCD** area of the start window.
 - CD-ROM standalone installer – browse your CD-ROM and open a folder called 'InCD' if the CD-ROM is a **Nero 5.5** CD-ROM (or 'InCD4' if you have a **Nero 6** CD-ROM). Double-click to launch the 'Setup.exe' file, which is located in this folder.
 - Internet standalone installer – launch the downloaded file.
4. Click on the 'Next' button to install the software.



If an earlier version of **InCD 4** has already been installed, you can update it by clicking on the 'Next' button.



You cannot update from **InCD 3.x** to **InCD 4**. You will first have to uninstall **InCD 3.x** before installing **InCD 4**.

5. Read the license terms and conditions carefully and then choose the option 'I accept the terms in the preceding license agreement', if you agree to the terms of the agreement and then click on the 'Next' button.



You cannot install **InCD** unless you agree to the license terms.

6. Enter your user name in the 'User name' field. If **InCD** is installed on a company computer, you must also enter the company name in the 'Company name' field. As the 'Company name' field is obligatory, you must enter data in this field. We recommend that private users repeat their user name in this field. The default installation folder is 'C:\Program Files\Ahead\InCD'. You can change this folder by clicking on the 'Change' button and entering the folder of your choice. When all the details are correct, click on the 'Next' button.
7. You must restart your computer before you can use **InCD**.
 - Click on the 'Restart' button to restart your computer.
 - If you click on the 'Exit' button, the installation program will be closed. You cannot use **InCD** until you have restarted your computer.

2.3 Uninstalling InCD

The uninstall window varies depending on the operating system.

1. Choose **START > SETTINGS > CONTROL PANEL > ADD/REMOVE PROGRAMS**.
2. Select 'Ahead InCD' and click on the appropriate button. **InCD** will be uninstalled immediately without further prompting and all installed drivers will be deleted.
3. You will be prompted to reboot. It is advised that you do so since the drivers might still be active (e.g. if you have an **InCD** formatted disc in your recorder). Click on the 'Restart' button.

3 Working with InCD

3.1 Starting InCD

When you start your computer, **InCD** starts automatically. There is no link to **InCD** in the Programs folder.

The **InCD** icon appears in the system tray, which is usually in the bottom right-hand corner of the screen. The **InCD** icon shows information on the CD currently in the drive, or about the drive itself. This information will only be shown for a few seconds when the status changes. Then the icon will change back to the normal icon. Please refer to the FAQs (in the **InCD** installation folder) for more details.



InCD mounted the disc in the DVD/CD-RW drive.



InCD recognized the disc in the DVD/CD-RW drive, but could not mount it.



InCD mounted the disc in the DVD/CD-RW drive, but access to the disc is read-only.



InCD did not detect a disc in the drive.

3.2 Discs supported by InCD

3.2.1 CD-RW

Ultra-speed discs take about ten minutes to be formatted. High-speed discs take about 20 minutes and low-speed discs around 40 minutes. A CD-RW must be completely formatted before you can use it with **InCD**.



Here are the different CD-RW media speeds available at the time this manual is written.

Low speed

1-4x



Sometimes referred to as 'normal speed' or 'multi-speed'. Can be burnt in any RW recorder.

High Speed

4-10x, 4-12x



Can be burnt in High Speed, Ultra Speed and Ultra Speed+ drives. High Speed CD-RW and High Speed capable drives feature the High Speed logo.

Ultra Speed

16-24x



Can be burnt only in Ultra Speed or Ultra Speed+ capable drives. The Ultra Speed drives and discs feature the Ultra Speed logo.

Ultra Speed+

32x



Can be burnt only on Ultra Speed+ drives. The Ultra Speed+ drives and discs feature the Ultra Speed+ logo.

The logos shown here are owned by Philips.

3.2.2 CD-MRW

The disc is ready for you to write on after only 1 to 2 minutes of formatting. This means that you can save data to the disc while it is being formatted in the background (see the 'Background formatting' section).



As for CD-RW, the same restrictions concerning disc speed and recorder speed compatibility apply.

3.2.3 DVD-RW

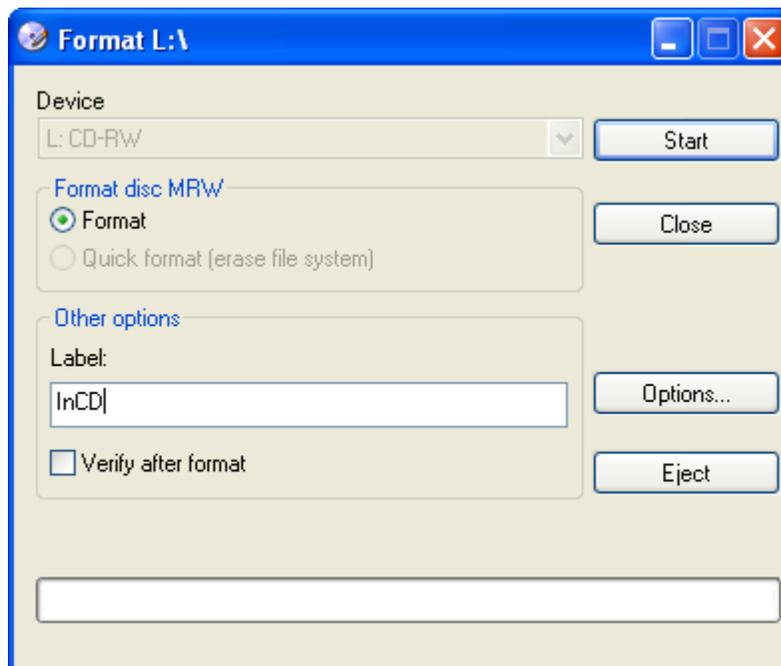
Formatting a disc takes about 120 minutes. A DVD-RW must be completely formatted before you can use it with **InCD**.

3.2.4 DVD+RW and DVD+MRW

The disc is ready for you to write on after only 1 to 2 minutes of formatting. This means that you can save data to the disc while it is being formatted in the background (see the 'Background formatting' section).

3.3 Format

You must format unformatted discs before you can use them with **InCD**. In this case only the 'Format' option is available in the **InCD** 'Format' dialog box.



InCD treats CD-RW, CD-MRW, DVD-RW, DVD+RW and DVD+MRW discs differently.

CD-RW Ultra Speed discs take about ten minutes to format. High Speed discs take about 20 minutes and low-speed discs around 40 minutes.

DVD-RW Formatting a disc takes about 120 minutes.

CD-MRW The disc is ready for you to write on after only 1 to 2 minutes of formatting. This means that you can save data to the disc while it is being formatted in the background.
DVD+RW
DVD+MRW

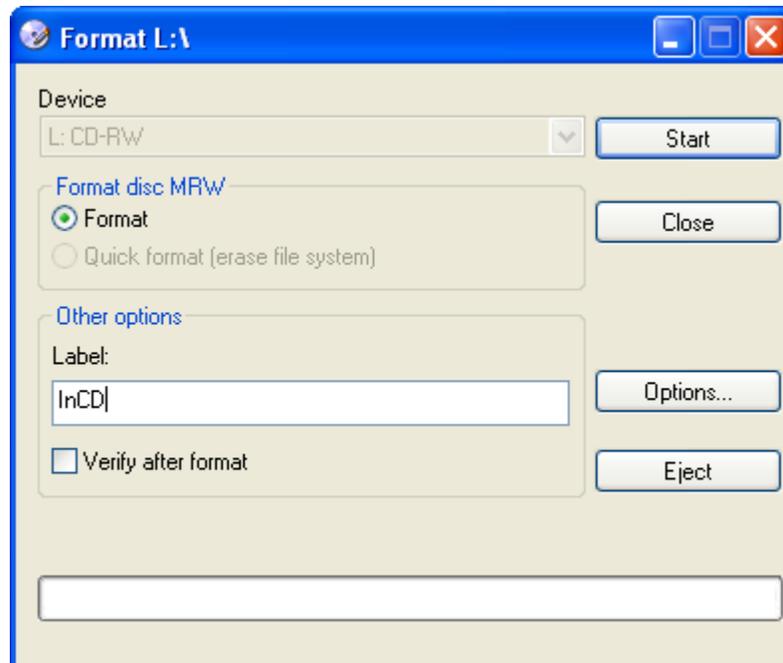


You cannot run any other commands on the same disc during the formatting process. Nevertheless, if you have several recorders, you can process each inserted disc independently (e.g. if you have two recorders, you can format two discs at the same time, or format one while the other is being written on or erased)

1. Insert a disc into the recorder.
2. Start 'Windows Explorer'.
3. Right-click with the mouse on the recorder's drive icon and select the 'InCD Format' command from the menu.



This opens the formatting dialog, which automatically uses the recorder you have selected.



4. If you want, you can enter a name for the disc. This name can have a maximum of 11 characters (blank spaces are not allowed).
5. You can check the disc after complete reformatting. In this case activate check the 'Verify after format' checkbox. Time varies according to disc size.
6. Click on the 'Start' button to start the formatting process.

7. You will see a format completion notice if you checked this option in the general options that are accessible via the system tray icon or the 'Options' button in the Format and Erase dialogs.



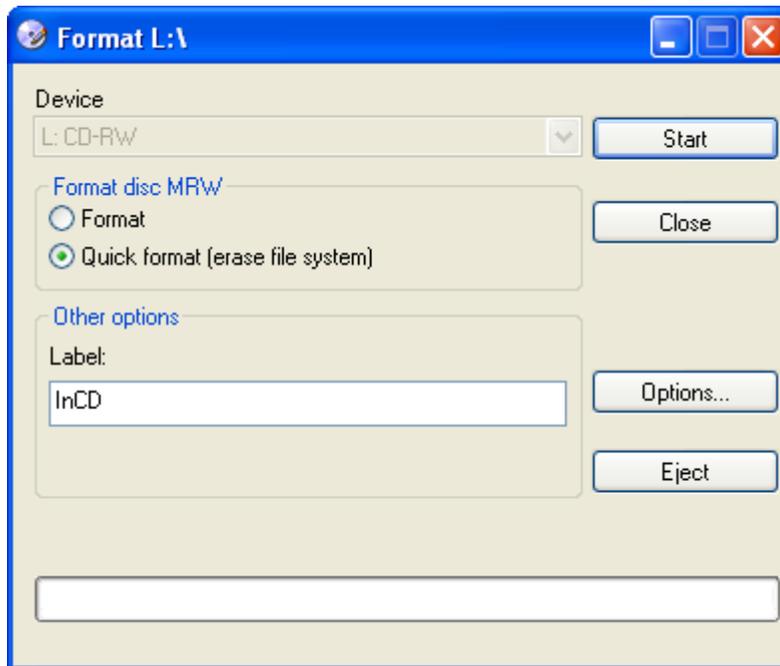
3.3.1 Background formatting

The formatting process is done by the drive itself while it is idle (i.e. not used for reading or writing). The background format will be interrupted if you try to access the disc (to read it, to write on it or to eject it) and will be resumed once the drive is idle again and contains the aforesaid disc. This also applies if you shut down your PC during background formatting.

3.4 Reformatting

If the disc has already been formatted, you may not need to completely reformat it, a quick format is also possible. This means that the disc is only formatted logically: the data on the disc is **not** deleted, only the information on the data on the disc. Thus, although the data is still present, the disc appears to be empty. That means that the full capacity of the disc is available again. As it is nevertheless possible for an expert to restore the data, this formatting method should not be used for discs containing confidential data.

The post-format check option is not available after reformatting.



If a disc has been rewritten several times, it is possible that the formatting process will be interrupted because of errors. In this case, we recommend erasing the disc using **Nero**.

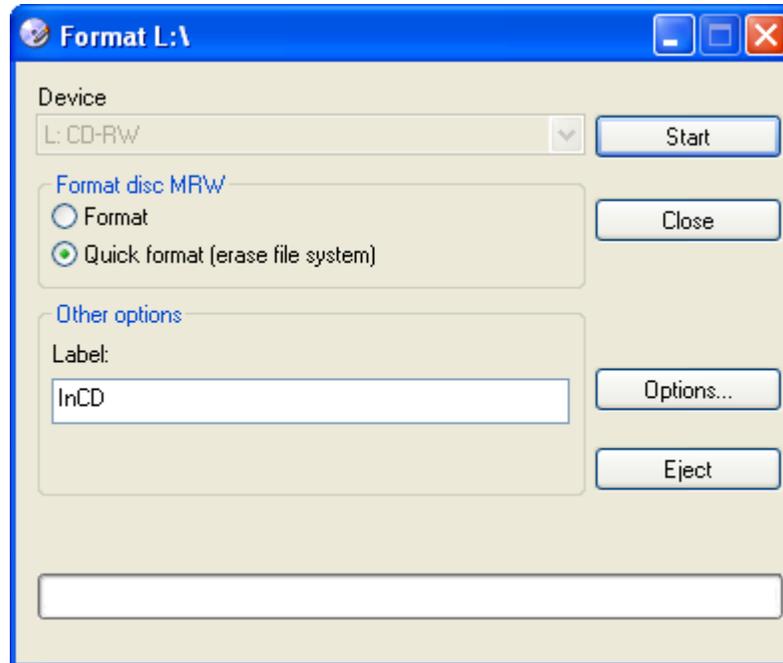
To do this, eject the disc, launch **Nero**, insert the disc, from the 'Recorder' menu choose 'Erase CD-RW' and choose 'Full-erase rewritable media' as erase method. Depending on the recorder and the disc, the erase process will last between 10 and 20 minutes.

1. Insert a formatted disc into the recorder.
2. Start 'Windows Explorer'.

3. Right-click on the recorder's drive icon and select the **'InCD Format'** command from the menu.



The formatting dialog opens and automatically uses the drive you selected.



4. If you want to, you can enter a name for the disc. The name can have a maximum of 11 characters (blank spaces are not allowed).
5. Click on the 'Start' button to start the formatting process.
6. You will see a format completion notice if you checked this option in the general options available via the system tray icon or the 'Options' button in the Format and Erase dialogs.



3.5 Ejecting a disc

InCD treats CD-RW/DVD-RW, CD-MRW, DVD+RW and DVD+MRW discs differently. Please refer to the appropriate section below.

3.5.1 Ejecting CD-RW and DVD-RW discs

You can eject a formatted CD-RW/DVD-RW by using the 'Eject' command in the right click drive contextual menu (see 'Context menu' section), by pressing the eject button on the recorder or by clicking the 'Eject' button in the 'Format' or 'Erase' **InCD** dialog windows.

1. Use a method of ejection.
2. Take the disc out of the recorder and close the tray.

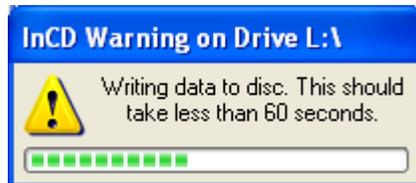


You can close the tray using the 'Load' command (described in the 'Loading a disc' section).

3.5.2 Ejecting a CD-MRW, DVD+RW and DVD+MRW

You can eject a CD-MRW, a DVD+RW or DVD+MRW that is not yet fully formatted by using the 'Eject' command in the right click drive contextual menu (see 'Context menu' section), by pressing the eject button on the recorder or by clicking the 'Eject' button in the 'Format' or 'Erase' **InCD** dialog windows.

1. Use a method of ejection. If background formatting is still in progress, it needs to be suspended and a dialog will then appear telling you that this process will take one to two minutes.



2. Take the disc out of the recorder and close the tray.

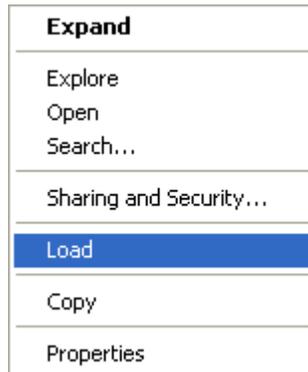
3.5.3 Loading a disc

When a disc is ejected and the recorder's door is still open, the **InCD** ejection commands are changed from 'Eject' to 'Load'. The effect of choosing this action will be the recorder's tray to close.

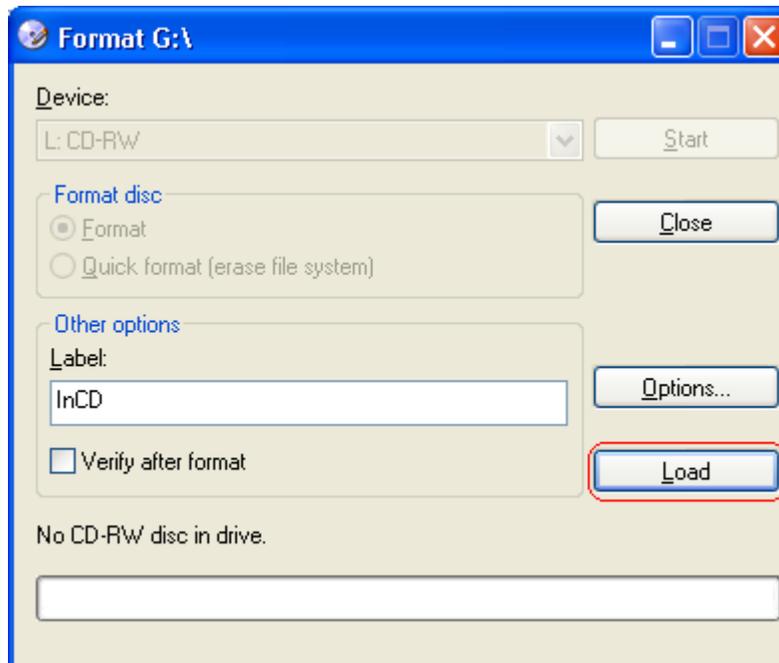


This feature might not be supported by your recorder. This depends mainly on whether the recorder has a motorized tray or not.

The following items are then changed: the 'Eject' command in the drive's right-click contextual menu,



and the 'Eject' button located in the 'Erase' and in the 'Format' dialog windows of **InCD**.



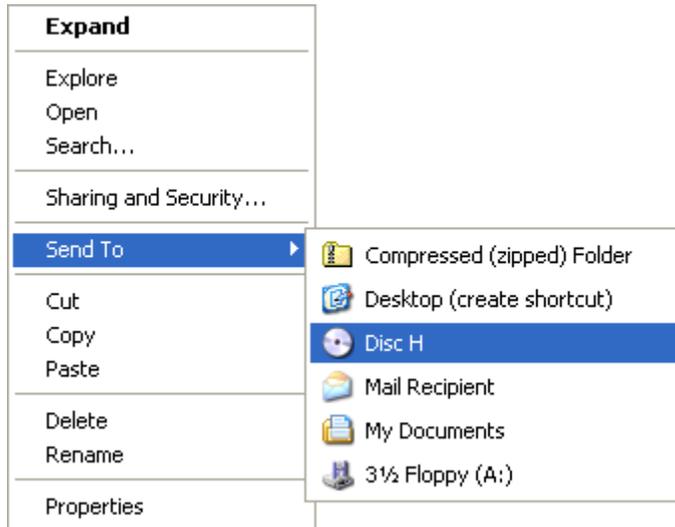
3.6 Copying data to a disc formatted by InCD

You can use a disc formatted by **InCD** in the same way as a hard disk or floppy disk. This means that you can copy data onto the disk simply by using drag and drop or retrieve documents stored by other applications.

1. Insert a formatted disk into the recorder.
2. Open Windows Explorer, select the data you want to copy and drag and drop it onto the recorder's drive icon or retrieve the documents from the other applications. When saving documents, you can also select the recorder's drive as any other drive.



If a writable formatted disk is inserted in a recorder, you can send data to it using the 'Send to' command of the contextual right-click menu. For more information on this command, please consult the documentation of your operating system.



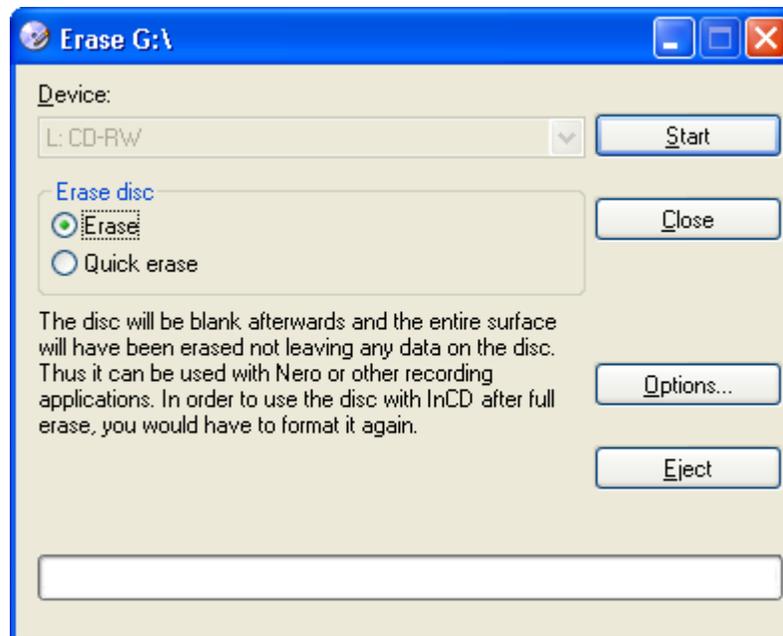
3.7 Erasing Discs

Erasing a rewritable disc is not like deleting data from a floppy disk or a hard disk. Erasing a disc also removes the formatting, leaving the disc completely blank. After being erased, the disc is as if it was a brand new one. This means it can be burned using **Nero** or otherwise.

1. Insert a formatted disc into the recorder.
2. Start 'Windows Explorer' and select a recorder drive.
3. Right-click on the recorder's icon and select the 'InCD Erase' command from the menu.



4. The erasing dialog opens and automatically uses the selected recorder.



5. Select the desired method of erasing and click on the 'Start' button.



If you insert the disc you have just erased, the format dialog will be displayed just like it does for every blank disc.



You cannot run any other commands on the same disc during the erasing process. Nevertheless, if you have several recorders, you can process each inserted disc independently from the others (e.g. if you have two recorders, you can erase two discs at the same time, or erase one, while formatting the other).

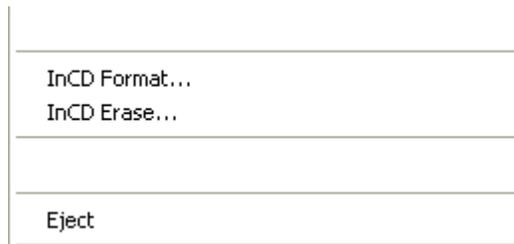
4 Commands

4.1 Context menu

You can right-click the mouse on the **InCD** symbol in the System Tray to open a context menu. Select and click with the mouse to execute commands.



Right-click the mouse in 'Windows Explorer' on the recorder's drive icon to open a context menu. Provided a rewritable disc is inserted, there are three commands for use with **InCD**. To avoid confusion, the other commands are not shown on the screenshot below.



4.2 About

The 'About' command displays information on the version of **InCD** that is currently installed on your system.

4.3 Help

The 'Help' command opens the **InCD** help file.

4.4 Options

The 'Options' command opens the **InCD** program settings window.



To save the changes you have made, click on the 'Apply' button and the dialog box will close. To close the dialog box without saving the changes, click on the 'Cancel' button.

Program options

Launch InCD when blank disc inserted

If this check box is activated, the Format dialog will pop up when you put a blank disc in the drive. (Default)

Hide tray icon

If this is unchecked, the **InCD** icon appears in the system tray. (Default)

MRW Format on all MRW capable drives

If the check box is activated, discs on **all** MRW-compatible drives will be formatted as MRW. For per-drive MRW control, see 'Drive properties'. (Default).

The check box appears gray (deactivated), if no MRW-compatible recorder is installed.

MRW Format on all MRW capable drives

This means that you have several drives supporting Mount Rainier, and that not all of them are currently set to format an inserted disc as MRW. For more information, see 'Drive properties'.

Do not show 'Format complete' message

If this check box is deactivated, a message is displayed to indicate when the formatting process is complete. (Default)

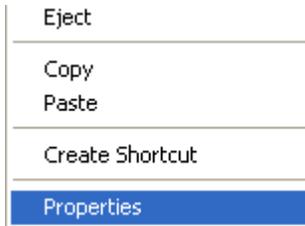
Language

English English

InCD automatically selects the language according to your local settings.

4.5 Drive properties

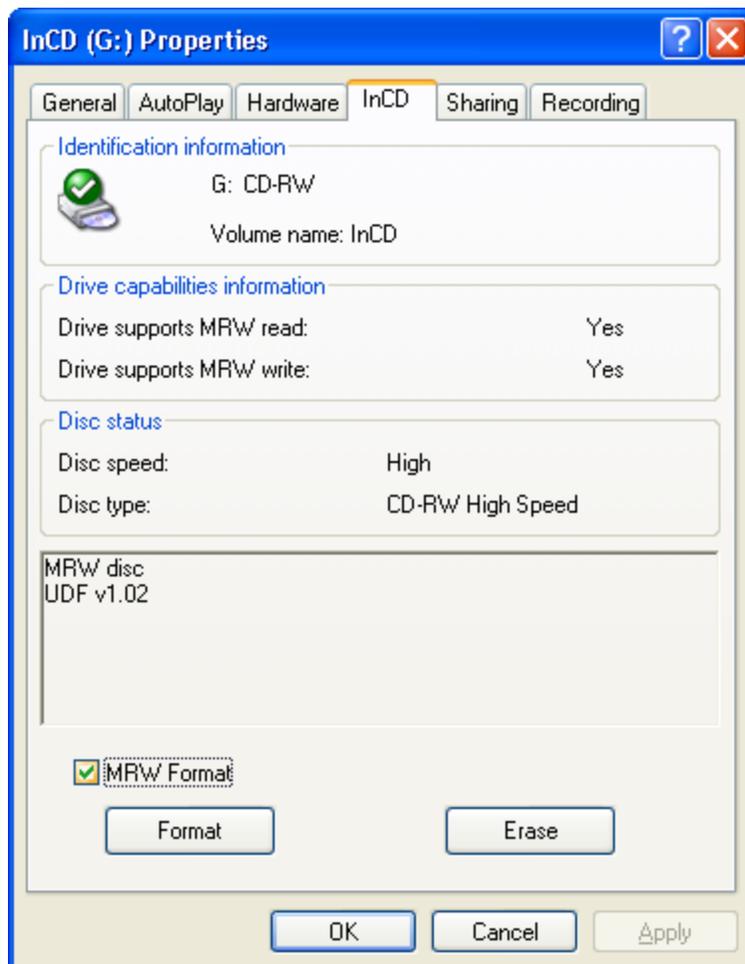
Right-click the mouse in 'Windows Explorer' on the recorder drive's icon to open the context menu. Then choose the 'Properties' command.



InCD provides an 'InCD' tab with information on the recorder and the inserted disc. You will find more information on the displayed icon in the 'Starting InCD' section.

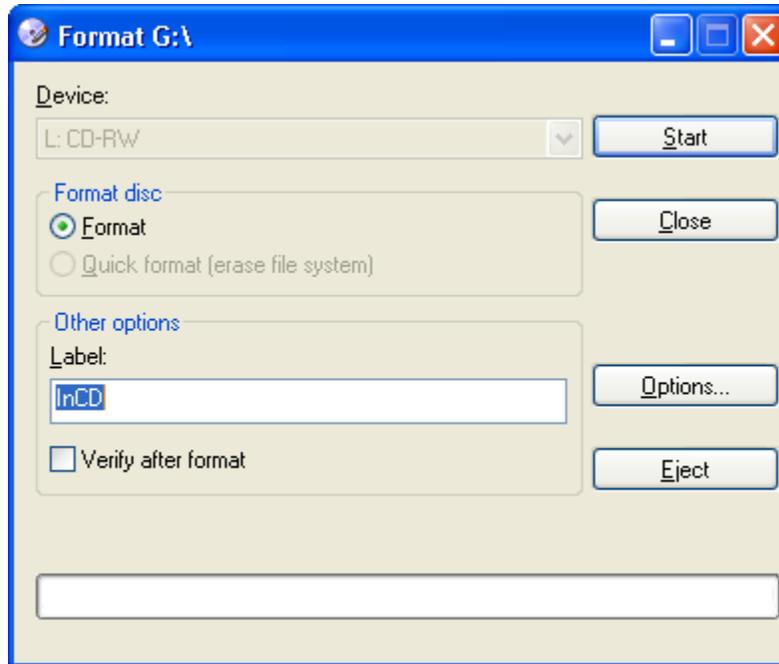
From here you can also control whether **this** drive should format the disc as Mt. Rainier or not (if your drive has Mt. Rainier support). Make sure you click on 'Apply' to get the change taken into account.

The format and erase operations are also available, provided the drive contains a compatible disc. Just click on the corresponding button. To learn more about disc/drive compatibility, you can read the 'Discs supported by InCD' section.



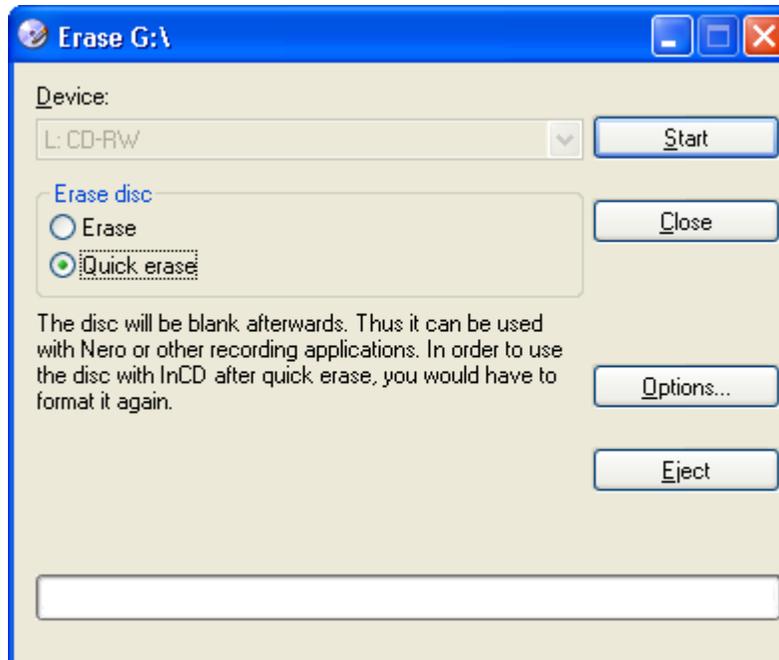
4.6 Format InCD

The 'InCD Format' command opens the 'Format' dialog box. You will find detailed information in the 'Format' and 'Reformatting' sections.



4.7 Erase InCD

The 'InCD Erase' command opens the 'Erase' dialog box. There is full information in the 'Erasing Discs' section.



4.8 Eject

The 'Eject' command causes the disc in the drive to be ejected. You will find more detailed information in the 'Ejecting a disc' section.

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