NeroCMD

v3.0.0.5

Enduser Manual

NeroCMD will only work with

a fully installed Nero version!

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2. License Agreement

IMPORTANT: PLEASE READ THE SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE SOFTWARE.

USING THE SOFTWARE INDICATES YOUR ACKNOWLEDGMENT THAT YOU HAVE READ THE LICENSE AND AGREE TO ITS TERMS.

The license agreement is contained in the text file "NeroSDK_License.txt" to be found in the root folder of the installation package.

3. Introduction

3.1. Motivation

NeroCMD is a console application that facilitates the processing of commands which *NeroAPI* understands.

This part of the document has been created for users who want to benefit from the functionality without having to understand the internal procedures. If, however, you are interested in finding out more about the internal procedures of the software, you will find a detailed discussion in the "NeroCMD Developer's Manual". That document will give you enough information to let you to change the *NeroCMD* parser to fit your own (more refined) requirements.

3.2. Overview

This document provides a comprehensive list of available *NeroCMD* options and examples for its application. *NeroCMD* can perform the following tasks:

- List all available drives, speeds, and formats

- Obtain the information about the current disc in any drive

- Burn:
    o ISO DVD
    o ISO/Audio CD
    o Video CD
    o Super Video CD
    o Disc from image
    o Freestyle disc

- Perform disc copy operation

- Estimate resulting ISO track size

- Grab Audio tracks and store them in files (Digital Audio Extraction)

- Eject disc from drive or load disc into drive

- Erase rewritable media

- Display the disc information contained in an image file

- Display *NeroAPI* version information

3.3. Requirements

NeroCMD will work on any computer system that can run **Nero 6.6.0.14**. *Nero* needs to be installed and licensed prior to using *NeroCMD*.

NeroCMD will not work with Linux.

You can obtain the latest version of *Nero* from www.nero.com.

3.4. The NeroSDK Forum

We provide a forum for all users of the *NeroSDK* so that ideas can be exchanged and solutions provided. It can be found under http://www.nero.com/link.php?topic_id=17. We will also monitor the messages from time to time and help where possible.

4. Using Parameter Files

Following is an example of how to create and use parameter files with *NeroCMD*.

Parameter files are very useful when frequently varying between different but fixed sets of command line options.
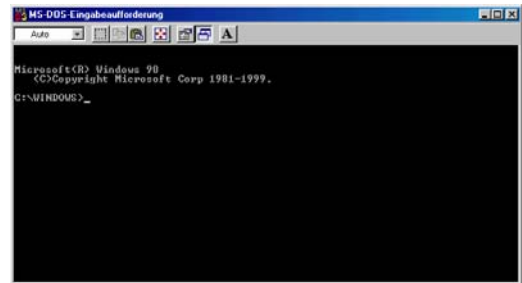
4.1. Execution With Parameter File

Open a command shell if you have an existing parameter file. Change to the drive and directory where NeroCMD.exe is stored on your hard drive.

If NeroCMD.exe is located in d:\NeroCMD\ you would type:

```
d:<ENTER>
```

to change to drive D followed by

```
cd NeroCMD<ENTER>
```

If, for example, the parameter file is named *ParameterFile.txt,* you would type:

```
NeroCMD @ParameterFile.txt<ENTER>
```

(<ENTER> stands for pressing the ENTER key).

4.2. Parameter File Creation

Let us imagine that we want to create a new parameter file which has the same effect as using the following command:

```
NeroCMD --real --tao --close_session --import 0 --drivename e --write --iso
test.\TestFiles\*.exe --disable_eject -error_log MyErrorLog.txt<ENTER>
```

Open Notepad (or any other text editor). Enter the following text and save it (e.g. ParameterFile.txt). Now you will be able to use it as described above.

```
; Parameter File for demonstration purposes
; Comments are started with a semicolon

--write      ; select write command
--real --tao ; no simulation, track at once
--close_session ; close session rather than entire disc
--import 0 ; import session 0 (0 is the first session)
--iso test.\TestFiles\*.exe      ; volume name is "test". Files in "TestFiles"
--disable_eject --drivename e ; do not eject disc after burning
--error_log MyErrorLog.txt ; Give the error log a different name
```

5. Using *NeroCMD*

This application can read information about a disc, burn Audio CDs, burn ISO discs, burn mixed mode CDs, burn Video and Super Video CD, or extract CDA tracks.

Open a command window (MS-DOS shell) and type "NeroCMD" followed by a command. A parameter list follows in most cases.

For example, the following command will display information about the disc in drive D:

```
NeroCMD --cdinfo --drivename d
```

See the chapters below for valid parameter combinations. Square brackets indicate that a parameter is optional. However, when writing an Audio/ISO CD you have to supply at least one valid set of parameters.

5.1. List Available Drives

This command will display a formatted list of all available CD/DVD drives.

Command	Function	
--listdrives	List available drives	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.2. Obtain Information About a Drive

This command will display a detailed report of a drive's capabilities.

Command	Function	
--driveinfo	Obtain drive information	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.

5.3. List Drive Speeds

This command will display the available read and write speeds for a certain drive.

Command	Function	
--get_speeds	List Drive Speeds	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--media_type <type>]	Specify a media type. To combine several media types use "+". Allowed types are: media_cd media_no_dvd_p_r media_ddcd media_dvd_m_r media_dvd_m media_dvd_m_rw media_dvd_p media_dvd_p_r media_dvd_any media_dvd_p_rw media_dvd_ram media_fpacket media_ml media_vpacket media_mrw media_packetw media_no_cdr media_hdb media_no_cdrw media_dvd_p_r9 media_cdrw media_dvd_m_r9 media_cdr media_dvd_any_r9 media_dvd_rom media_bd_rom media_cdrom media_bd_r media_no_dvd_m_rw media_bd_re media_no_dvd_m_r media_bd media_no_dvd_p_rw media_bd_any

5.4. Obtain Information About a Disc

This command will display the kind of media that is currently inserted in the drive.

It will also display additional information such as disc title, free capacity, number of tracks, track details, etc.

Command	Function	
--discinfo	Obtain information about a disc	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.

5.5. List Audio Formats

This command will list the available audio formats.

Command	Function	
--listformats	List audio formats	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.6. Write Audio/ISO CD or ISO CD/DVD

This function will burn ISO CDs/DVDs and Audio/ISO CDs, allowing settings such as Rockridge format and UDF. It also allows the import of ISO tracks.

Often referred to as CD EXTRA or CD Plus, these Audio/ISO discs contain two sessions. The first session contains up to 98 audio tracks; the second session contains the data track. When played on an audio player, it only sees the first session and therefore does not try to play the data session.

Command	Function	
--write	Write Audio/ISO/Mixed Mode CD/DVD	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--dvd_overburn]	Specify overburn size in blocks for DVD media.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--real]	Forces the disc to be burned. If not specified, the process is only simulated.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	[--artist <artist>]	Supply artist's name for Audio CD.
	[--title <title>]	Supply Audio CD title.
	[--read_speed <speed>]	<speed> is the speed at which the audio tracks will be read in x150kb/s.
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the disc will be burned in KB/s.
	[--audio <file1> <file2> …]	Disc is burned with Audio information. A list of Audio files to burn is supplied. Allowed types are wav, mp3, wma, and pcm.
	[--cdextra]	CD Extra will arrange the ISO track behind the audio tracks in a separate session so that the CD can be played by regular Audio CD players.
	[--dvd]	Burn on DVD or DVD-RW media. This option cannot be used in combination with Audio or mixed mode.
	[--recursive]	Do a recursive file search.
	[--use_allspace]	Use all space on the media.

Command	Function	
--write	Write Audio/ISO/Mixed Mode CD/DVD continued…	
	Parameters	**Description**
	[--import] <session #>	Import a certain session. A session number can but does not have to follow the "--import" switch. If specified, it will be used as a session number to import (zero meaning first session). If nothing is specified, the last session will be imported.
	[--backup]	Replace imported files only if newer ones are found.
	[--iso <volumename>]	<volume name> is the ISO volume name for the disc to be burned.
	[--iso-no-joliet]	No long file names.
	[--iso-mode2]	Select ISO mode 2.
	[--speedtest]	Test speed before burning.
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer to take certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw", this parameter will erase a non-empty CDRW without prompting the user.
	[--cd_text]	Write CD Text (if supported by device).
	[--underrun_prot]	Protect from underrun condition.
	[--import_udf]	Import UDF format.
	[--import_vms_session]	DVD-RW, DVD+RW, and DVD-RAM do not support "real" sessions but rather only one track. The *NeroAPI* writes additional information to the media so it will be able to determine the start and end of the virtual sessions when reading the media at a later point. If no VMS session number has been provided, the *NeroAPI* will always import the last session. That makes it compatible with the behavior for "normal" multisession media. The flag needs to be provided only in case the user does not want to access the last virtual session.
	[--relax_joliet]	Relax joliet file name length limitations.
	[--japanese_cd_text]	CD Text is treated as Japanese CD Text (must include "--cd_text" also).
	[--use_rockridge]	Use Rockridge format.
	[--create_iso_fs]	Create ISO file system.
	[--create_udf_fs]	Create UDF file system.
	[--dvdvideo_realloc]	Perform reallocation of files in VIDEO_TS directory.
	[--dvdvideo_cmpt]	Create DVD-Video compatible disc. "--create_iso_fs", "--create_udf_fs" and "--iso_no_joliet" also need to be specified.
	[--disable_eject]	Disables media ejection after burn completion.
	[--dvd_high_compatibility]	Used for the better compatibility of burned DVDs as at least 1GB will be written.
	[--booktype_dvdrom]	The book type of a burned DVD will be set to DVD-ROM.

Command	Function	
--write	Write Audio/ISO/Mixed Mode CD/DVD continued…	
	Parameters	**Description**
	[--no_booktype_change]	Do not change the book type of a DVD even if the default setting is set to change the book type to DVD-ROM.
	[--verify]	Verify ISO file system after writing.
	[--system_identifier <text>]	"system identifier" of an ISO track.
	[--volume_set <text>]	"volume set" of an ISO track.
	[--publisher <text>]	"publisher" of an ISO track.
	[--data_preparer <text>]	"data preparer" of an ISO track.
	[--application <text>]	"application" of an ISO track.
	[--copyright <text>]	"copyright" of an ISO track.
	[--abstract <text>]	"abstract" of an ISO track.
	[--bibliographic <text>]	"bibliographic" of an ISO track.
	[<disk file1> <disk file 2> …]	At least one audio file or one disc file needs to be specified!
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.
	[--layerbreak <sectornumber>]	Set layer break at specified sector position of layer 0. <sectornumber> must be a multiple of 16.
	[--udf_revision <value>]	Set one of the following values for UDF revision: udf_102 udf_150 udf_200 udf_201
	[--udf_partition_type <type>]	Set one of the following values for UDF partition type: physical virtual sparable
	[--allowunicodelabel]	Burn 16 bit Unicode volume labels for DVD-Video compatible compilations.
	[--spare_area <option>]	Define if the spare area on BD should be allocated. The option values: no_action allocate no_allocate

Command	Function	
--write	Write Audio/ISO/Mixed Mode CD/DVD continued…	
	Parameters	**Description**
	[--media_type <type>]	Specify a media type. To combine several media types use "+". Allowed types are:

media_cd	media_no_dvd_p_r
media_ddcd	media_dvd_m_r
media_dvd_m	media_dvd_m_rw
media_dvd_p	media_dvd_p_r
media_dvd_any	media_dvd_p_rw
media_dvd_ram	media_fpacket
media_ml	media_vpacket
media_mrw	media_packetw
media_no_cdr	media_hdb
media_no_cdrw	media_dvd_p_r9
media_cdrw	media_dvd_m_r9
media_cdr	media_dvd_any_r9
media_dvd_rom	media_bd_rom
media_cdrom	media_bd_r
media_no_dvd_m_rw	media_bd_re
media_no_dvd_m_r	media_bd
media_no_dvd_p_rw	media_bd_any

5.7. Write Video CD

This function will create a Video CD, which contains MPEG full-motion video sequences.

Command	Function	
--write	Write Video CD	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--real]	Forces the disc to be burned. If not specified, the process is only simulated.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	--videocd	Mandatory parameter for Video CDs
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the CD will be burned in KB/s.

Command	Function	
--write	Write Video CD continued…	
	Parameters	**Description**
	[--speedtest]	Test speed before burning.
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--temp_path]	Specify a temporary path for Video CD files.
	<video file 1> [<video file 2> …]	List of video files. At least one file needs to be specified!
	[--iso <volumename>]	<volume name> is the ISO volume name for the disc to be burned.
	[iso-no-joliet]	No long file names.
	[iso-mode2]	Select ISO mode 2.
	[--relax_joliet]	Relax joliet file name length limitations.
	[--recursive]	Do a recursive file search.
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer to take certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw" this parameter will erase a non-empty CD-RW without prompting the user.
	[--underrun_prot]	Protect from underrun condition.
	[--disable_eject]	Disables CD ejection after burn completion.
	[<disk file 1> <disk file 2> …]	At least one disc file needs to be specified if ISO has been selected.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.

5.8.   Write Super Video CD

This function will create a Super Video CD (SVCD). Compared to Video CD, the SVCD supports higher resolutions and variable bit rate, MPEG-2 video encoding, and MPEG-1 or MPEG-2 audio encoding. You must use a double speed or faster CD/DVD drive to read SVCDs. A single speed drive if sufficient for reading VCDs.

Command	Function	
--write	Write Super Video CD	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--real]	Forces the disc to be burned. If not specified the process is only simulated.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	--svideocd	Mandatory parameter for Super Video CDs
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the CD will be burned in KB/s.
	[--speedtest]	Test speed before burning.
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--temp_path]	Specify a temporary path for Video CD files.
	<video file 1> [<video file 2> …]	List of video files. At least one file needs to be specified!
	[--iso <volumename>]	<volume name> is the ISO volume name for the disc to be burned.
	[iso-no-joliet]	No long file names.
	[iso-mode2]	Select ISO mode 2.
	[--relax_joliet]	Relax joliet file name length limitations.
	[--recursive]	Do a recursive file search.
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer to take certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw", this parameter will erase a non-empty CD-RW without prompting the user.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.

Command	Function	
--write	Write Super Video CD continued…	
	Parameters	**Description**
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.
	[--underrun_prot]	Protect from underrun condition.
	[--disable_eject]	Disables CD ejection after burn completion.
	[<disk file 1> <disk file 2> …]	At least one disc file needs to be specified if ISO has been selected.

5.9. Write Image

This function will burn a disc image from your hard drive to a recordable media.

Command	Function	
--write	Write image	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--dvd_overburn]	Specify overburn size in blocks for DVD media.
	[--real]	Forces the disc to be burned. If not specified, the process is only simulated.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	[--dvd]	Burn on DVD or DVD-RW media.
	--image <image filename>	File name of the image file.
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the disc will be burned in KB/s.
	[--speedtest]	Test speed before burning.
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer to take certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw", this parameter will erase a non-empty CD-RW without prompting the user.
	[--underrun_prot]	Protect from underrun condition.
	[--disable_eject]	Disables disc ejection after burn completion.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.
	[--booktype_dvdrom]	The book type of a burned DVD will be set to DVD-ROM.

Command	Function	
--write	Write image continued...	
	Parameters	**Description**
	[--layerbreak <sectornumber>]	Set layer break at specified sector position of layer 0. <sectornumber> must be a multiple of 16.
	[--spare_area <option>]	Define if the spare area on BD should be allocated. The option values: no_action allocate no_allocate

5.10. Write Freestyle Disc

This function allows you to write any type of disc layout (e.g. one containing a raw data track at the beginning of the disc instead of a self-made ISO/UDF file system). This is very suitable for writing an .iso image (a popular download format in the Internet).

Command	Function	
--write	Write Freestyle Disc	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--dvd_overburn]	Specify overburn size in blocks for DVD media.
	[--real]	Forces the disc to be burned. If not specified, the process is only simulated.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	[--artist <artist>]	Supply artist's name for Audio CD.
	[--title <title>]	Supply Audio CD title.
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the disc will be burned in KB/s.
	[--cdextra]	Select Mixed Mode.
	[--import] <session #>	Import a certain session. A session number can but does not have to follow the "--import" switch. If specified, it will be used as a session number to import (zero meaning first session). If nothing is specified, the last session will be imported.
	[--backup]	Replace imported files if newer ones are found
	[--iso <volumename>]	<volume name> is the ISO volume name for the disc to be burned.

Command	Function	
--write	Write Freestyle Disc continued…	
	Parameters	**Description**
	[--freestyle_mode1 <filename>]	Select freestyle mode 1.
	[--freestyle_mode2 <filename>]	Select freestyle mode 2.
	[--freestyle_audio <filename>]	Select audio mode.
	[iso-no-joliet]	No long file names.
	[iso-mode2]	Select ISO mode 2.
	[--recursive]	Do a recursive file search.
	[--use_allspace]	Use all space on the media.
	[--speedtest]	Test speed before burning.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.
	[--booktype_dvdrom]	The book type of a burned DVD will be set to DVD-ROM.
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer to take certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw", this parameter will erase a non-empty CD-RW without prompting the user.
	[--cd_text]	Write CD Text (if supported by device).
	[--underrun_prot]	Protect from underrun condition.
	[--import_udf]	Import UDF format.
	[--import_vms_session]	DVD-RW, DVD+RW, and DVD-RAM do not support "real" sessions but rather only one track. The *NeroAPI* writes additional information to the media so that it will be able to determine the start and end of the virtual sessions when reading the media at a later point. If no VMS session number has been provided, the *NeroAPI* will always import the last session. That makes it compatible with the behavior for "normal" multisession media. The flag needs to be provided only in case the user does not want to access the last virtual session.
	[--use_rockridge]	Use Rockridge format.
	[--create_iso_fs]	Create ISO file system.
	[--create_udf_fs]	Create UDF file system.
	[--disable_eject]	Disables disc ejection after burn completion.
	[--verify]	Verify ISO file system after writing.
	[<disk file 1> <disk file 2> …]	Any number of freestyle tracks can be specified up to 99 tracks.
	[--layerbreak <sectornumber>]	Set layer break at specified sector position of layer 0. <sectornumber> must be a multiple of 16.

Command	Function	
--write	Write Freestyle Disc continued…	
	Parameters	**Description**
	[--udf_revision <value>]	Set one of following values for UDF revision: udf_102 udf_150 udf_200 udf_201
	[--udf_partition_type <type>]	Set one of the following values for UDF partition type: physical virtual sparable
	[--spare_area <option>]	Define if the spare area on BD should be allocated. The option values: no_action allocate no_allocate
	[--media_type <type>]	Specify a media type. To combine several media types use "+". Allowed types are: media_cd media_no_dvd_p_r media_ddcd media_dvd_m_r media_dvd_m media_dvd_m_rw media_dvd_p media_dvd_p_r media_dvd_any media_dvd_p_rw media_dvd_ram media_fpacket media_ml media_vpacket media_mrw media_packetw media_no_cdr media_hdb media_no_cdrw media_dvd_p_r9 media_cdrw media_dvd_m_r9 media_cdr media_dvd_any_r9 media_dvd_rom media_bd_rom media_cdrom media_bd_r media_no_dvd_m_rw media_bd_re media_no_dvd_m_r media_bd media_no_dvd_p_rw media_bd_any

5.11. Copy a Disc

This function will perform a disc copy operation.

Command	Function	
--write	Copy a disc.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--output_image <filename>]	Specify output image file name if image recorder is used to avoid prompting for file name.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the target drive or the drive letter.
	[--cd_overburn]	Specify overburn size in blocks for CD media.
	[--dvd_overburn]	Specify overburn size in blocks for DVD media.
	[--real]	Forces the disc to be burned. If not specified, the process is only simulated.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	[--dvd]	Burn on DVD or DVD-RW media.
	[--dvd_high_compatibility]	Used for the better compatibility of burned DVDs as at least 1GB will be written.
	[--booktype_dvdrom]	The book type of a burned DVD will be set to DVD-ROM.
	[--no_booktype_change]	Do not change the book type of a DVD even if the default setting is to change the book type to DVD-ROM.
	--disccopy <source drive name>	Disc copy command. Provide the source drive name with the command.
	[--copy_temp_image_path <image file path>]	Specify temporary image path for a disc copy operation. Omitting it causes a on-the-fly copy.
	[--copy_keep_temp_image]	Do not delete temporary image path after disc copy operation.
	[--copy_retries <retries>]	Specify retry count on read errors.
	[--copy_read_speed]	Specify disc copy read speed in kb/s.
	[--copy_continue_on_data_read_ errors]	Ignore data errors during disc copy. Default is to abort.
	[--copy_abort_on_audio_read_ errors]	Abort on audio errors during disc copy. Default is to ignore.
	[--copy_raw_read_mode]	Use raw read mode for disc copy.
	[--copy_read_isrc]	Read ISRC and media catalog number during disc copy.
	[--speed <speed>]	<speed> is the speed at which the disc will be burned - for CD in x150 KB/s and for DVD in x1,385 KB/s.
	[--speed_in_kbps <speed>]	<speed> is the speed at which the disc will be burned in KB/s.
	[--speedtest]	Test source speed before burning.

Command	Function	
--write	Copy a disc continued…	
	Parameters	**Description**
	[--enable_abort]	Notify which operations can and which cannot be aborted.
	[--close_session]	Close session, not the whole disc.
	[--cd_text]	Write CD Text (if supported by device).
	[--japanese_cd_text]	CD Text is treated as Japanese CD Text (must include "--cd_text" also).
	[--detect_non_empty_disc]	Detect attempts to burn on a non-empty rewritable disc and offer certain actions.
	[--force_erase_disc]	In combination with "--detect_non_empty_cdrw", this parameter will erase a non-empty disc without prompting the user.
	[--underrun_prot]	Protect from underrun condition.
	[--disable_eject]	Disables disc ejection after burn completion.
	[--verify]	Verify ISO file system after writing.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_retries.
	[--robot_flag_value <value>]	Set value for flag specified above.
	[--media_type <type>]	Specify a media type. To combine several media types use "+". Allowed types are: media_cd media_no_dvd_p_r media_ddcd media_dvd_m_r media_dvd_m media_dvd_m_rw media_dvd_p media_dvd_p_r media_dvd_any media_dvd_p_rw media_dvd_ram media_fpacket media_ml media_vpacket media_mrw media_packetw media_no_cdr media_hdb media_no_cdrw media_dvd_p_r9 media_cdrw media_dvd_m_r9 media_cdr media_dvd_any_r9 media_dvd_rom media_bd_rom media_cdrom media_bd_r media_no_dvd_m_rw media_bd_re media_no_dvd_m_r media_bd media_no_dvd_p_rw media_bd_any
	[--spare_area <option>]	Define if the spare area on BD should be allocated. The option values: no_action allocate no_allocate

5.12. Estimate Track Size

Estimates the total size of a **data track** including data and overhead for the file system if desired.

To specify what exactly has to be taken into account for the calculation, use the flags "--estimate_no_fs_overhead", "--estimate_no_data", and "--estimate_no_exact_size".

Determining the exact size will require a certain amount of time. Turning exact estimation off will speed up the process but the results will then only be an estimate rather than a reliable value.

Command	Function	
--estimate	Estimate track size.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--tao]	Disc is burned in TAO (Track At Once) mode. If not specified, DAO (Disc At Once) is default.
	[--cdextra]	Select Mixed Mode.
	[--iso <volumename>]	<volume name> is the ISO volume name for the disc to be burned.
	[iso-no-joliet]	No long file names.
	[iso-mode2]	Select ISO mode 2.
	[--close_session]	Close session, not the whole disc.
	[--import] <session #>	Import a certain session. A session number can but does not have to follow the import switch. If specified, it will be used as a session number to import (zero meaning first session). If nothing is specified, the last session will be imported.
	[--import_vms_session]	Import Virtual Multisession (VMS) session. The session number will be treated as VMS session. DVD-RW, DVD+RW, and DVD-RAM do not support "real" sessions but rather only one track. The *NeroAPI* writes additional information to the media so it will be able to determine the start and end of the virtual sessions when reading the media at a later point. If no VMS session number has been provided, the *NeroAPI* will always import the last session. That makes it compatible with the behavior for "normal" multisession media. The flag needs to be provided only in case the user does not want to access the last virtual session.

Command	Function	
--estimate	Estimate track size continued…	
	Parameters	**Description**
	[--import_udf]	Import UDF format.
	[--use_rockridge]	Use Rockridge format.
	[--create_iso_fs]	Create ISO file system.
	[--create_udf_fs]	Create UDF file system.
	[--disable_eject]	Disables disc ejection after burn completion.
	[--dvd]	Assume DVD or DVD-RW media.
	[--use_allspace]	Use all space on the media.
	[--estimate_no_fs_overhead]	Do not estimate file system overhead.
	[--estimate_no_data]	Do not estimate data.
	[--estimate_no_exact_size]	Do not estimate exact size.
	[<disk file 1> <disk file 2> …]	A number of files.
	[--udf_revision <value>]	Set one of following values for UDF revision: udf_102 udf_150 udf_200 udf_201
	[--udf_partition_type <type>]	Set one of the following values for UDF partition type: physical virtual sparable

5.13. Read Audio Tracks

CD/DVD drives that have DAE (Digital Audio Extraction) capabilities can be used to create copies of the raw audio data stored on Audio CDs. This command relies on that capability.

Command	Function	
--read	Read Audio track(s)	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--read_speed <speed>]	<speed> is the speed at which the audio tracks will be read in x150kb/s.
	--XY <filename>	Read contents of track with number 'XY' into file 'filename'. The file name has to include the suffix. Only ".pcm" and ".wav" will be accepted.
	[--XY <filename>]	Read additional tracks.

5.14. Erase Rewritable Media

Rewritable discs are erased with this command. This process takes place either by performing a quick erase or by sweeping the whole media to ensure that the data is irretrievably removed.

Command	Function	
--erase	Erase rewritable disc	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	[--entire]	A quick erase, through which the actual content of the CD-RW/DVD-RW is not actually erased, is performed by default. The "--entire" option sweeps the whole CD-RW/DVD-RW, insuring that data cannot be retrieved afterwards.
	[--disable_eject_after_erase]	Do not eject disc after erase process is done.
	[--force_eject_after_erase]	Force ejecting of disc after erase process is done.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--userobot <robotname>]	Use a robot to move the disc to and from the recorder.
	[--robot_port_type <type>]	Specify the port type the robot is connected to: COM, LPT, or USB. Default is COM.
	[--robot_port_num <num>]	Specify the port number the robot is connected to: 1, 2, 3... Default is 1.
	[--set_robot_flag <flagtype>]	Set special robot flag before burning: robo_cleanup, robo_insertcd_reties.
	[--robot_flag_value <value>]	Set value for flag specified above.

5.15. Eject Media

This command will eject a media that is loaded in a CD/DVD drive.

Command	Function	
--eject	Eject media	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.

5.16. Load Media

This command will load a media into a CD/DVD drive.

Command	Function	
--load	Loads a media into the drive	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.

5.17. Retrieve Image File Disc Information

This command will obtain disc information from an image file.

Command	Function	
--imageinfo	Obtain disc information from image	
	Parameters	**Description**
	<filename>	Name of the image file.
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allows the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.18. List Robot Drivers

This command lists the available robot drivers in a duplication system environment.

Command	Function	
--listrobots	List available robot drivers.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.19. List Robot Port Types

This command lists the robot port types that are supported by the *NeroAPI*.

Command	Function	
--listrobot_port_types	List available robot port types.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.20. List Available Robot Flags

This command lists the flags that are supported by the *NeroAPI*.

Command	Function	
--listrobotflags	List supported robot flags.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.21. Retrieve Version Information

This command retrieves version information on the currently used *NeroAPI*.

Command	Function	
--version	Retrieve version information	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.

5.22. Set Device Option

This command is used to set an option for a device.

Command	Function	
--deviceoption	Set device option.	
	Parameters	**Description**
	[--no_error_log]	Do not log errors at all.
	[--error_log <log filename>]	Store *NeroCMD* error messages in <log filename>.
	[--nero_log_timestamp]	Add a timestamp to the file name of the *NeroAPI* error log. Useful for batch operations.
	[--no_user_interaction]	Allow the whole process to take place without user interaction (no questions asked).
	[@parameter_file]	parameter_file contains command line arguments.
	--drivename <name>	<name> is either the "full name" of the drive or the drive letter.
	[--layerbreak <sectornumber>]	Set layer break at specified sector position of layer 0. <sectornumber> must be a multiple of 16.

6. Exit Code

When *NeroCMD* application terminates it supplies an exit code which indicates whether the requested operation was executed successfully or if an error has occurred. The following table lists the exit codes that *NeroCMD* will provide.

Exit Code	Meaning
0	Ok.
1	Bad usage!
2	Internal error!
3	NEROAPI.DLL was not found!
4	Serial number was not found!
5	Serial number is invalid!
6	No disc was inserted!
7	RW media not supported!
8	There was an error erasing rewritable disc!
9	There was an error obtaining a list of available drives!
10	Drive name is missing!
11	There was an error while trying to access the drive!
12	Drive was not found!
13	Unknown disc format!
14	Invalid drive!
15	Burn process failed!
16	Function was not allowed!
17	Drive was not allowed!
18	There was an error obtaining disc info!
19	Track was not found!
20	File type is unknown!
21	Digital audio extraction failed!
22	There was an error opening the file!
23	Out of memory!
24	Error determining the length of input file!
25	Eject/Load failed!
26	Invalid session number to import!
27	Failed to create ISO track!
28	Specified file was not found!
29	Unknown error.
30	User aborted!
31	Demo version has expired!
32	Bad message file.
33	Error doing track size estimation!
34	There was an error obtaining virtual multisession info!
35	The robot driver could not be found.
36	The specified robot option is not supported.
37	Wrong sector number specified for layer break!
38	Failed to set layer break!
39	Wrong disc was inserted.

7. FAQ

This is a collection of frequently asked questions from the *NeroSDK* forum and Nero AG's customer support.

Please also refer to the FAQ section of the *NeroAPI* documentation if you cannot find the answer to your question here. It covers a number of fundamental aspects and might prove useful for your particular issue.

How do I burn to the image recorder?

```
NeroCMD  --write  --drivename "Image Recorder" --real...
```

How do I burn to the image recorder without entering the image file name?

Use the parameter "--output_image" with *NeroCMD* 1.7.0.0 and higher versions.

How do I burn a folder as a root folder, including all subfolders?

Use <folder name> --recursive.

How do I burn the content of a folder, including all subfolders, without creating the root folder on the media?

Use <folder name>*.* --recursive" or <folder name>* --recursive.

How do I keep a multisession disc open?

When using the "--close_session" parameter, only the session itself will be closed. The disc will then not be closed, i.e. remain writable.

How do I import the first/last session of a multisession disc?

Use the parameter --import <session number>. If you do not provide <session number> the last session of the disc will be imported.

"--import 0" will import the first session.

Note: Using "--import" without a value is not supported by some older *Nero* 5.5 releases!

What does the error message "No tracks given" mean?

The *.* at the end of a folder was not given or the parameter "--recursive" was not used.

What do the exit/error codes mean?

They are explained in the "Exit Code" chapter of this document.

What does the error message "Drive not allowed" mean?

This error message will be displayed if the current serial number is not authorized to burn with a certain recorder. A *Nero* bug, which was fixed in *Nero* 5.5.10.34, sometimes caused the display of this error message although the serial number was valid for the specified recorder.

What does the error message "Function was not allowed" mean?

This error message will be displayed if the rights of the current serial number are not sufficient to perform the requested operation. The log file provides more details about the problem.

How do I detect if *Nero Burning ROM / Nero Express* is installed?

Use NeroCMD "--version". It should return information about the installed version.

If the application terminates with exit code 3, then the NeroAPI.DLL was not found and that Nero is not installed.

Can I change the name of a folder for burning (e.g. "C:\pictures" to "MyPictures") on the recordable media?

No, this option is not supported. However, you are free to alter the source code of *NeroCMD* to add this function.

How can I use more than 64 characters with Joliet?

NeroSDK 1.03 (*NeroCMD* 1.7.0.0) and more recent versions support the parameter "--releax_joliet". When relaxing Joliet restrictions, 109 characters can be used.

What is the purpose of the "--import_iso_only" parameter?

This flag does not have a function. It has been obsolete for a while due to *NeroAPI* changes in the past and was removed with *NeroCMD* 1.7.0.2.

For importing a session please use "--import" instead.

Can I use *NeroCMD* to burn a pre-created ISO image to DVD?

Yes. The support for writing ISO images to DVD media became possible with version 6.3.0.6 of the *NeroAPI*.

How do I write a DVD-Video?

You have to first create a folder named VIDEO_TS on your hard drive and then copy all the necessary files (.VOB, etc.) to this folder. Afterwards, burn the folder with

```
NeroCMD --drivename yourdrive --write --real --dvd --iso DVD-VIDEO
--create_iso_fs --create_udf_fs --iso_no_joliet --dvd_video_realloc --recursive
VIDEO_TS
```

Is it possible to create Data and Audio tracks on the same CD with *NeroCMD*?

Adding the following to your *NeroCMD* command line argument list should do the trick:

```
--cdextra --audio <audiotracks> --iso <volumelabel> <files>
```

How do I write a bin/cue image?

```
NeroCMD --write –drivename <drive name> --real –image <image file name>
```

Is it possible to burn Nero's .NRI format with *NeroCMD*?

No.

What is the correct method to pass a list of audio file names to *NeroCMD*?

The correct method in any command line program to pass a parameter with spaces is to enclose it in quotation marks ("). To make sure, just enclose all parameters in quotation marks and you will be on the safe side.

How do I start a multisession disc?

Generally, to start multisession discs you have to use the parameter "--close_session" in *NeroCMD*. This prevents the closing of a disc so that it can be continued later.

If you continue a multisession disc, this flag is not necessarily required. It depends on whether or not you still want to keep the disc open.

How do I continue a multisession disc?

To continue a multisession disc you have to import the previous session that you want to continue. With *NeroCMD* you have to add the flag "--import" to continue a multisession disc.

How do I burn with a combination of fully specified file names and file names that match search patterns (e.g. all DLLs)?

In the following example "autoexec.bat" and "config.sys" are the only known file names. In addition all DLLs in the Windows directory will be added:

```
NeroCMD   --write --real --drivename "image recorder" --no_user_interaction
--output_image test.nrg --iso test
autoexec.bat config.sys c:\windows\*.dll
```

How do I burn a DVD-Video on a DVD-RW disc without getting a "User Aborted" message?

You have to add "--real" to the command line argument list. Otherwise burning is only simulated. *NeroCMD* aborts since simulation is not possible with DVD-RW.

Newer versions of the *NeroAPI* will report the exact error in the error log and in the log line.

Is it possible to overburn CDs without user interaction?

It has become possible with version 1.7.0.1 of *NeroCMD*. *NeroCMD* confirms overburning if the flag "--no_user_interaction" has been provided.

Can I name the directories on a disc differently from the directories on the source drive?

NeroCMD does not support this option. But since its source code is available in the *NeroSDK*, you can adapt it to your needs yourself.

8. Software Version History

Version	Date	Comments
1.0	November 24, 2000	Initial version.
1.1	December 6, 2000	Updates according to the changes in *NeroAPI* (version 5.0.3.4).
		- UserDialog callback function has been modified to support new DLG_NON_EMPTY_CDRW callback.
		- Two new command line parameters have been added:
		" --detect_non_empty_cdrw" and "--cd_text".
		- The code around NeroImportIsoTrack has been updated according to the NeroAPI changes. Error handling has been improved.
1.2	April 5, 2001	Updates according to the changes in *NeroAPI* (version 5.5.0.6).
		- Changed project name from NeroBATCH to *NeroCMD.*
1.3	April 23, 2001	Updates according to the changes in *NeroAPI* (version 5.5.1.4).
		- Added two cmd line options according to the two new NBF_ constants.
		- Added a new EXITCODE_ and a corresponding error message for a new NEROAPI_INIT_DEMOVERSION_EXPIRED constant.
		- Changed NeroAPI initialization to utilize the new shared API feature.
1.4	October 28, 2001	Added handling of the "--dvd parameter". The DVD burning feature was introduced with *NeroAPI* 5.5.4.4.
1.5	December 3, 2001	Several Bugfixes:
		- UserDialog-Input was not evaluated properly.
		- Buffer was overwritten occasionally, causing the application to terminate with an error.
		- Improved Log File Handling.
		Added "--force_erase_cdrw" command line parameter to delete CD-RW without user interaction when combined with "--detect_non_empty_cdrw".
		Added "--nero_log_timestamp" to keep multiple versions of the NeroAPI error log for batch runs.
1.6	November 22, 2002	Improved file and directory handling.
		Added:
		"--driveinfo" for information about a particular drive
		"--listformats" for listing available audio formats
		"--get_speeds" for read and write speeds
		"--recursive" for handling of subdirectories

Version	Date	Comments
1.7.0.0	July 22, 2003	Added "--no_user_interaction" to run without user input "--output_image" to specify an image file name "--japanese_cd_text" to support Japanese CD Text "--booktype_dvdrom" to change a DVD's book type to DVD-ROM "--use_allspace" to use all space on a media "--relax_joliet" to relax joliet file name length limitations "--disable_eject_after_erase" to not eject a RW media after erasing "--force_eject_after_erase" to eject a RW media after erasing "--imageinfo" to provide Disc Information from an image file "--system_identifier" to provide "system identifier" information "--volume_set" to provide a volume set name "--publisher" to provide "publisher" information "--data_preparer" to provide "data preparer" information "--application" to provide "application" information "--copyright" to provide "copyright" information "--abstract" to provide "abstract" information "--bibliographic" to provide "bibliographic" information
1.7.0.1	September 25, 2003	Changed default response for no user interaction mode to YES for DLG_OVERBURN, DLG_COPY_QUALITY_LOSS, DLG_COPY_FULLRISK, and DLG_AUDIO_PROBLEMS.
1.7.0.2	October 30, 2003	Fixed the behavior of "--recursive" option. A folder specified on the command line is no longer interpreted as folder*.*.
1.7.0.3	December 4, 2003	Disabled obsolete flags "--import_iso_only" and "--prefer_rockridge".
1.7.0.5	February 3, 2004	Added "--backup" option and improved MergeIsoTrack function. Added flag "--dvdvideo_cmpt" to allow the creation of DVD-VIDEO compatible discs.
1.8.0.0	April 8, 2004	Added the possibility of changing image media type if possible. Upgraded to *NeroAPI* 6.3.1.4 with support for additional flags "--estimate" to calculate the total size of an ISO track "--estimate_no_fs_overhead" to estimate without file system overhead "--estimate_no_data" to not estimate data size "--estimate_no_exact_size" to provide a rough estimate "--no_booktype_change" to prevent setting DVD-ROM book type "--import_vms_session" to import from Virtual Multi Sessions of DVD media "--video_resolution" to decide for PAL or NTSC television standard
1.8.0.2	August 4, 2004	Added more supported image and audio file extensions. Upgraded to NeroAPI 6.3.1.11. Added wildcard support when specifying audio tracks. Changed parameter names to refer to generic term "disc" rather than specific media, e.g. in "*--detect_non_empty_disc*".
1.9.0.0	October 1, 2004	Added more supported image and audio file extensions. Abort if no path given in DLG_FILESEL_IMAGE. Upgraded to NeroAPI 6.3.1.11. Added wildcard support when specifying audio and video tracks. Changed CD to DISC wording where appropriate.

Version	Date	Comments
1.9.0.1	March 3, 2005	Append the current *NeroCMD* directory to image file name if full path was not specified. Allow drive letter with a colon as drive name. Bugfix: same counter variable used in two loops. Added disc copy function. Added NeroRobo interface to *NeroCMD*. Increased version number.
3.0.0.0	October 10, 2005	Compile with Visual Studio 7 and link dynamically with MFC and CRT.
3.0.0.1	January 20, 2006	Implemented layer break function for DVD+DL discs during burning and as separate "--deviceoption" command.
3.0.0.3	February 16, 2006	Enable allocation of spare area if writing to BD (option "--spare_area").
3.0.0.5	June 13, 2006	Check correct spare_area option (with only 2 hyphens).