Guide created by Cynthia on 23 Sep 2005 04:54 AM and converted to .PDF on 15 July 2006 by photo_angel2004

ImgBurn - A User Guide

What Can I Do In ImgBurn?

ImgBurn is a free tool that allows you to write images to DVD-R / DVD-RW / DVD-R DL / DVD+R / DVD+RW / DVD+R DL / DVD-RAM media.

ImgBurn can write most types of CD / DVD images and it supports all the latest writers (including booktype / bitsetting on many of the major ones - i.e. BenQ, LiteOn, NEC, Plextor, Sony). You can even use ImgBurn to erase / format your rewritable media!

ImgBurn will try its very best to burn your DVD-Video double layer images using the layer break you've specified in the IFO files, but it can also calculate the best place for you, to save you the trouble.

Advanced functionality can be found in context menus that appear when you right click on various bits of the user interface. These features are also covered and explained in this guide.

ImgBurn is written by Lightning UK! and is an enhanced version of an earlier released burn engine.

Supported image formats

- BIN
- CDI
- CDR
- DI
- DVD
- GCM
- GI
- IBQ
- IMG
- ISO
- LST
- MDS
- NRG
- PDI
- UDI

ImgBurn's homepage

You can download and read more about the program at ImgBurn's homepage.
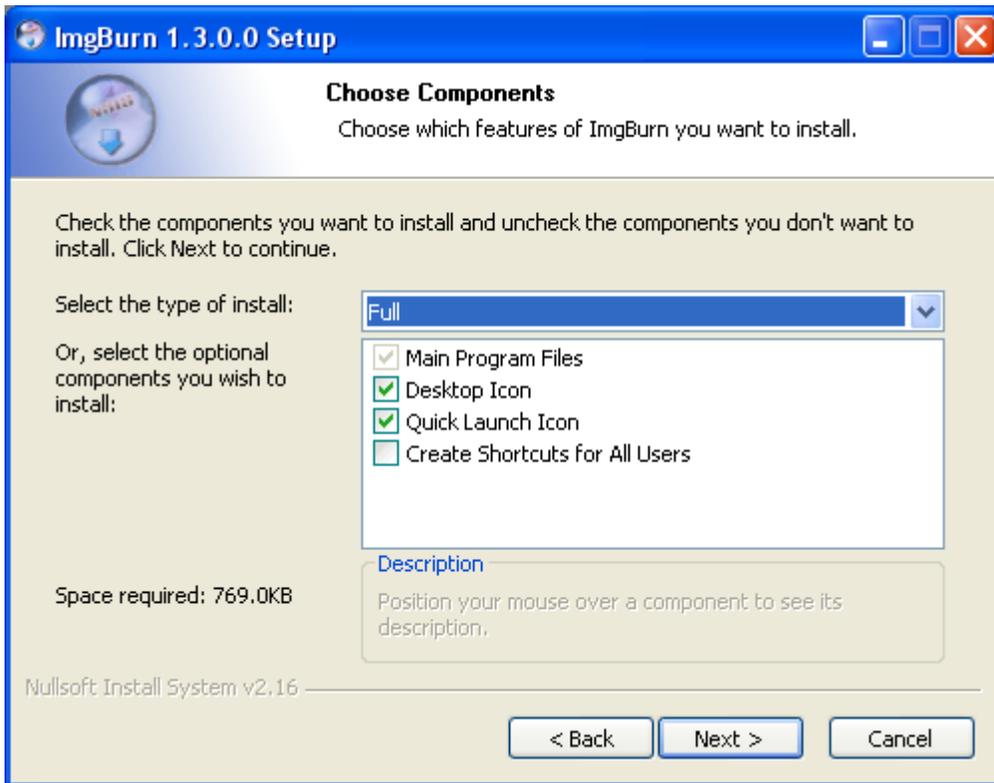
This Guide

I have divided it into these sections:

Installation

Download and install ImgBurn. You can download it here.
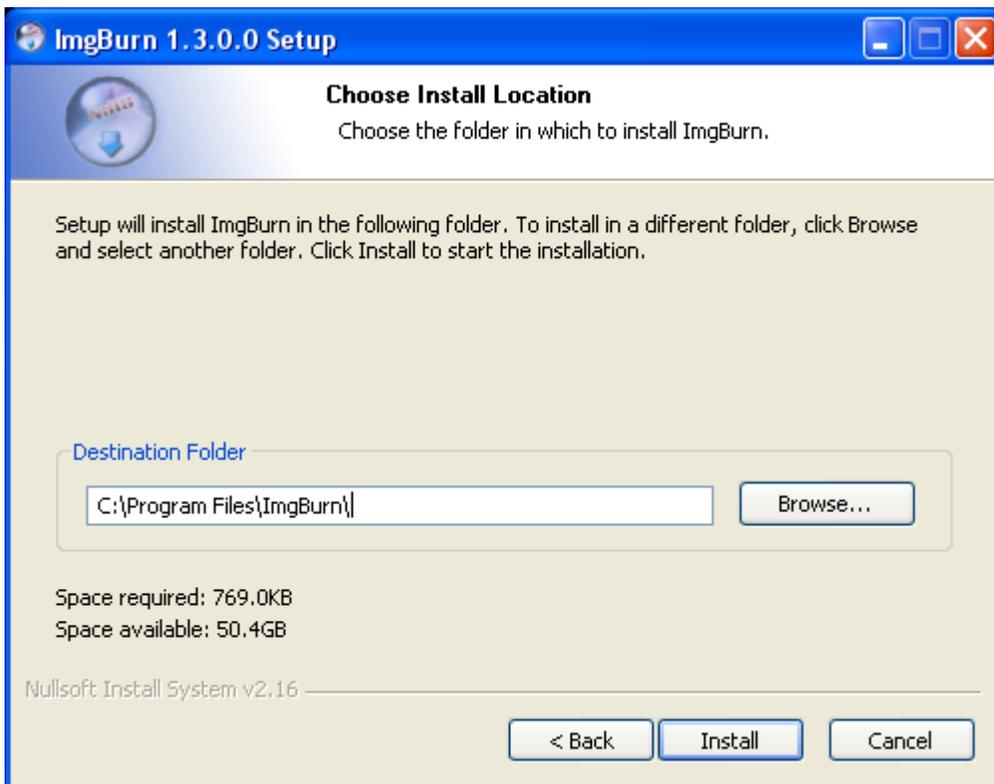
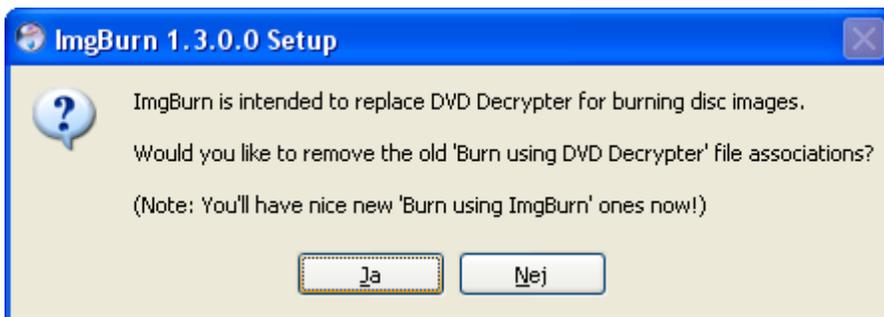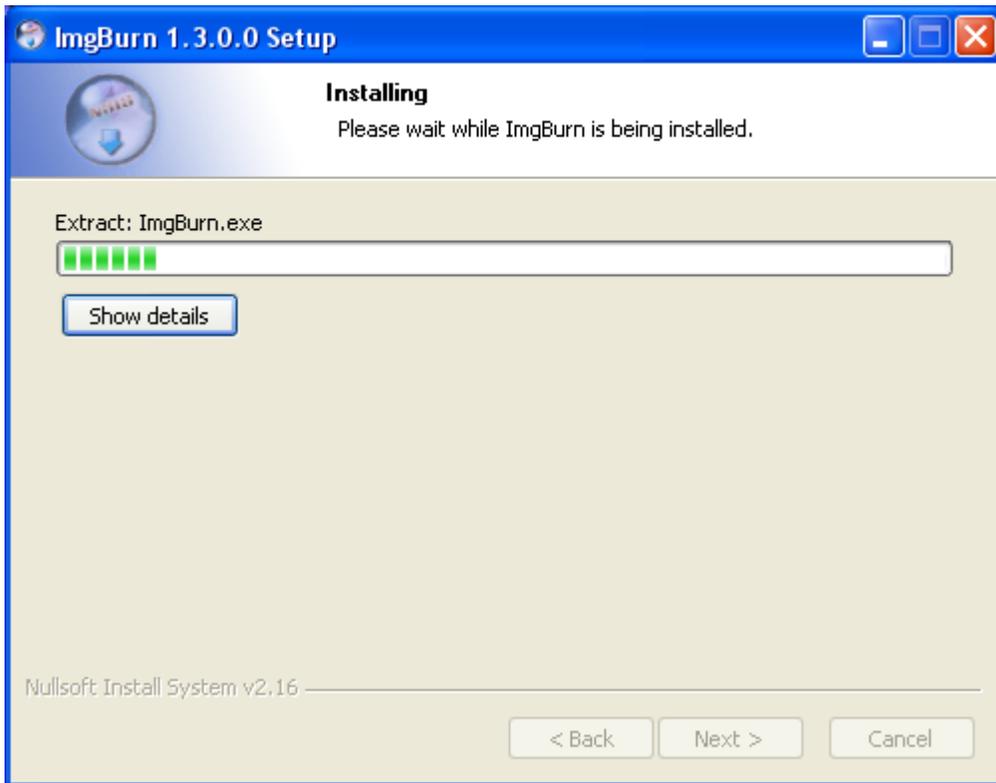After that the installation has started you will see this window:


Just press the 'Next >' button.

The default settings are the one you should use. Press the 'Next >' button.

Select the folder where you want the program to be installed. Then press the 'Next >' button to continue the installation.

ImgBurn 1.3.0.0 Setup

Installing
Please wait while ImgBurn is being installed.

Extract: ImgBurn.exe

Show details

Nullsoft Install System v2.16

< Back   Next >   Cancel

ImgBurn 1.3.0.0 Setup

ImgBurn is intended to replace DVD Decrypter for burning disc images.

Would you like to remove the old 'Burn using DVD Decrypter' file associations?

(Note: You'll have nice new 'Burn using ImgBurn' ones now!)

Ja   Nej

If you want to have ImgBurn as the default burner for image files instead of DVD Decrypter - select 'Yes' to this option.

ImgBurn 1.3.0.0 Setup

Would you like to keep your existing settings?

Ja   Nej
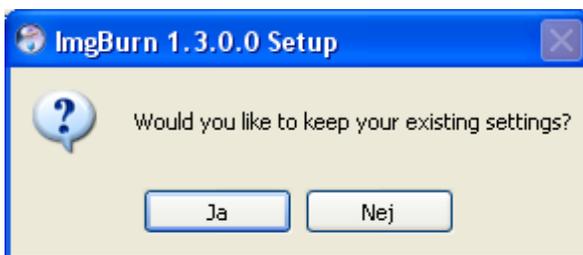
If you already have the program installed and are updating it - you will have the option to retain your current settings. Select 'Yes' if you want to keep them.

Your installation of ImgBurn is now finished and you can decide if you want to run the program. If you press 'Finish' you will see this window:
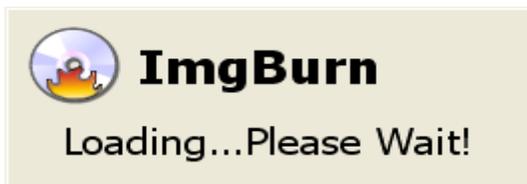
After the starup screen - you will then be seeing the main program window of ImgBurn:
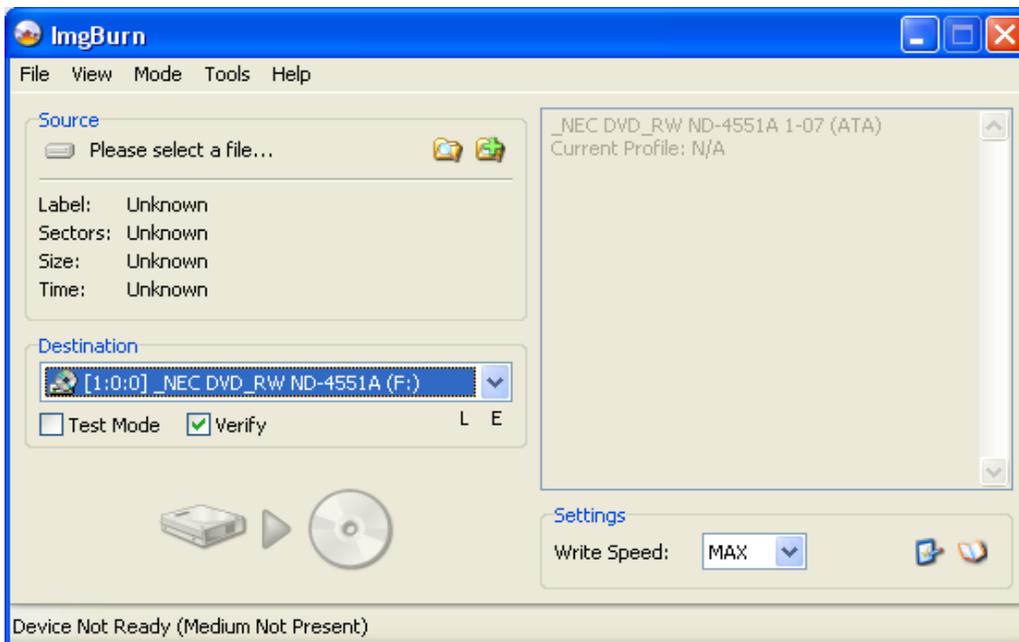
You are now ready to use the program.

The basic settings in ImgBurn

The default preferences should work out very well. If you want to know more about them you can read about them in this guide under the section 'ImgBurn Settings'.
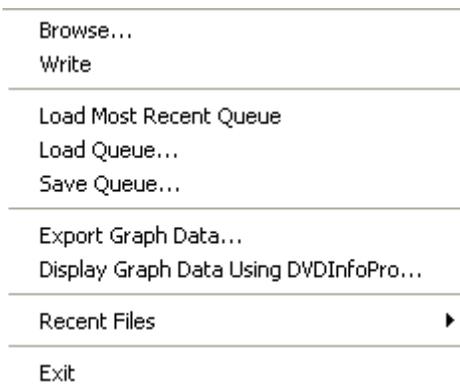
The Menus

In the menu bar of the program you can find five main topics:

1. **File**
2. **View**
3. **Mode**
4. **Tools**
5. **Help**

The Menus

1. File

- **Browse**

    Gives you the option to browse for an image file that you want to load into the program.

- **Write**

    This will start the burning of the selected image.

- **Load Most Recent Queue**

    Loads automatically the latest saved .IBQ file.

- **Load Queue...**

    Allows you to load any previously saved .IBQ file.

The program will ask you to locate the saved .IBG file and you hard disk.

If it's loaded without any errors:

- **Save Queue...**
  Saves the contents of the queue in an .IBQ file.

  You can name the queue and also change the location of the saved .IBQ file.

  If it's saved without problems:

- **Export Graph Data...**
  Saves the latest burned discs graphic data in an .IBG file.

- **Display Graph Data Using DVDInfoPro...**
  Displays the latest burned discs write speed in a data graphic using DVDInfoPro. You can see exactly what speed your drive was burning at and when.

- **Recent Files**

  Shows you a list of the latest burned images.

  There is also an option to clear this list.

- **Exit**

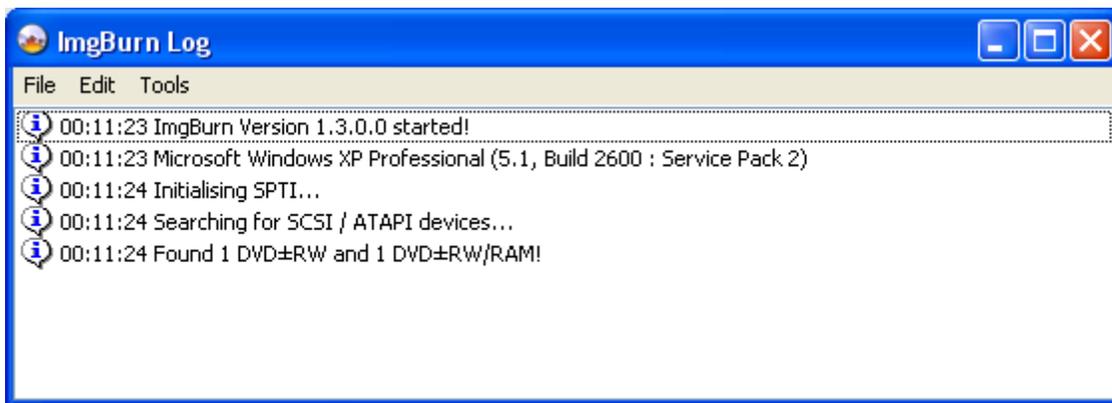 This will terminate the program.

The Menus

2. View

Log   L
Queue   Q
_____
Refresh F5

- **Log**

  Normally this log window should be enabled with automatic when you start ImgBurn. If you can't see it or if you want to hide it - presss the letter L on your keyboard.

  The ImgBurn log file is an extremely useful part of the program. It not only provides you with the details of every individual session. It helps you troubleshoot if any errors happen.

  If you don't see it - press the 'L' button on your keyboard to turn it on or off. Even if you select it to be off - it runs in the background and you can at any time turn it on again and watch what's saved in it.

  You can have ImgBurn automatically to save the log for you after exiting the program. Which can be very helpful if you need to post a log file from failed burn. That way you do not have to recreate it again. (If your computer freezes and you have to manually reset/reboot it (or you lose your electricity etc), ImgBurn will not save the log. It only saves the log if you 'X' out of the screen, or click "File", then "Exit".

  - **File**

    - **New**

      This will create an empty log file window.

8

- **Open...**

  This gives you the option to open up an already saved log file.

- **Save As...**

  This gives you the option to save the log file.

- **Print**

  This will send the contents of the log file to your printer.

- **Close**

  This will close the log window.

- **Edit**

  - **Cut**

    Cut the selected part of the log file.

  - **Copy**

    Copy the selected part of the log file.

  - **Delete**

    Delete the selected part of the log file.

  - **Select All**

    Selects all rows of the log file.

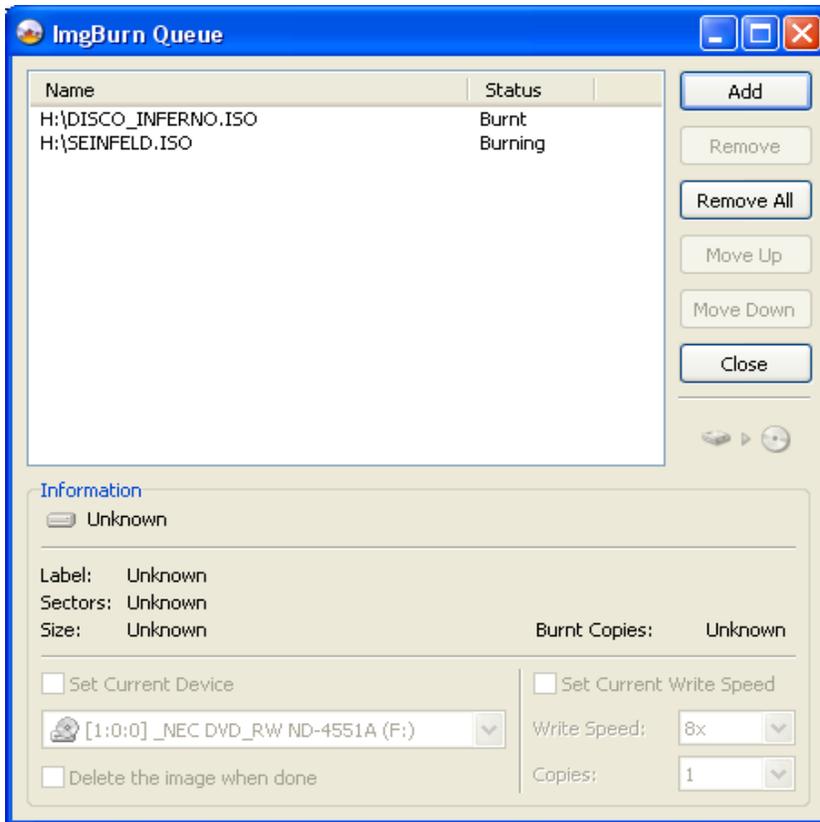- **Tools**

  - **Count**

    This will show you a window with some statistics about your log file.
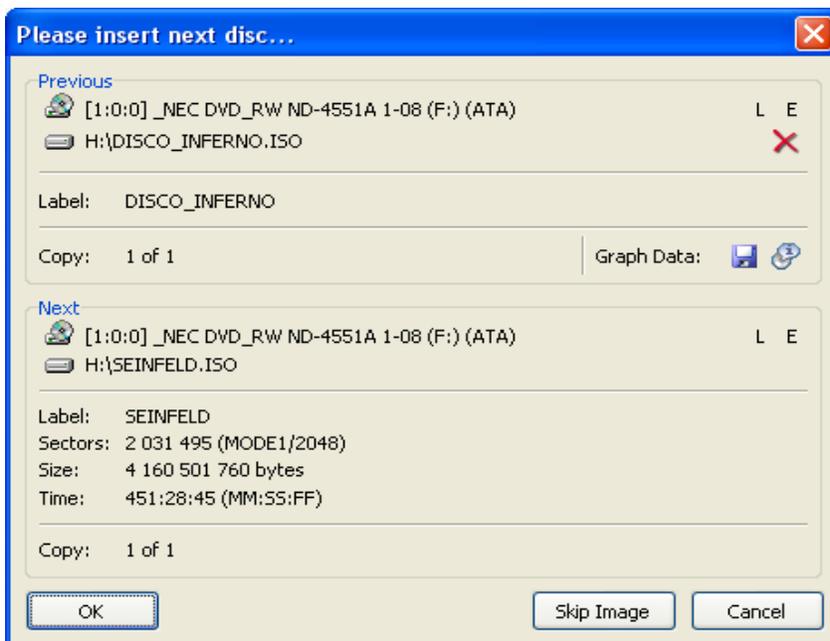
- **Queue**

  The queue system will allow you to put several images in a burning queue and then burn all images in a row after eachother.

  Add the images that you want to queue.

  After that the first image in the queue is burnt - ImgBurn will ask you to insert a new disc.

After that the new disc is inserted - ImgBurn will automatically start the burning of the new image in ten seconds.

> o   **Note:** If you right-click in the queue window you will see a pop up menu:

Move To Top
Move Up
Move Down
Move To Bottom

Sort By Name
Sort By Name (Ignore Path)

Load Most Recent Queue
Load Queue...
Save Queue...

Add...
Remove

Queue Again

Apply 'Device' Setting To Selected
Apply 'Write Speed' Setting To Selected
Apply 'Copies' Setting To Selected
Apply All Settings To Selected

Share Selected Images Amongst Drives
Share All Images Amongst Drives

Remove Burnt
Remove Queued
Remove All

Select All   Ctrl+A
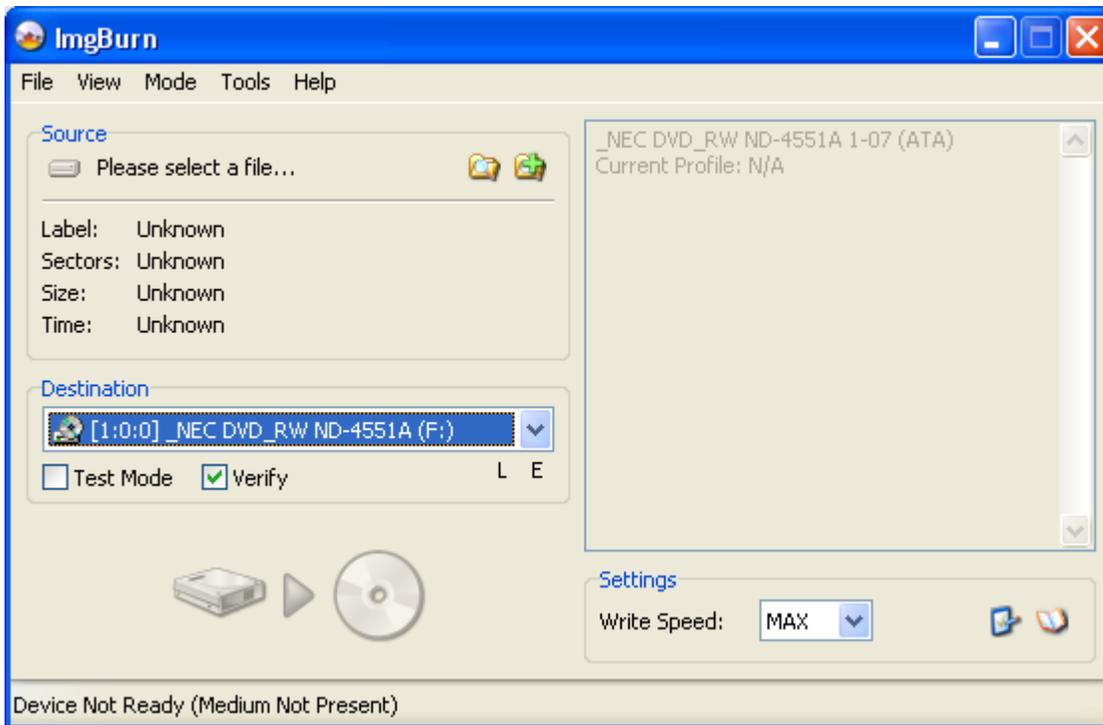Invert Selection

- **Refresh**

Does a new initiation of the disc and reads it once again. Just as you had inserted the disc once again.

The Menus

3. Mode - Write

✔ Write   W
  Verify   V
  Discovery D

3.1 Write Options

- **Source:**

  Select the imagefile you want to burn by using the folder icon ![folder icon]to be loaded into the program.

  You can also press the ![queue icon]queue button to load the queue manager. In this manager you can add several images and then let ImgBurn burn them in a row after eachother.

- **Label:**

  Shows the images label name.

- **Sectors:**

  Shows your the sector size for the selected image.

- **Size:**

  Shows you the psyical size for the selected image.

- **Time:**

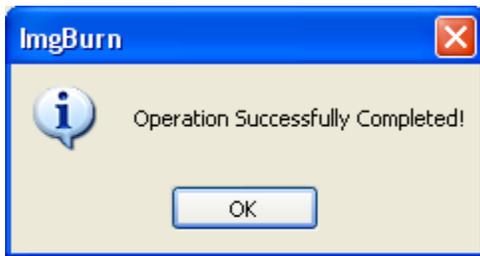 Shows you the time for the selected image.

- **Destination**

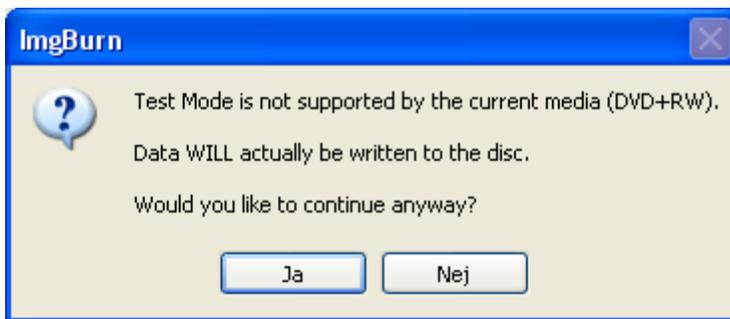 Select the CD/DVD-burner you want to use for your burning.

- **Test Mode**

  This will fake a burning. Every step involved in a real burning will be carried out - except turning on the laser.

If this process is done without any errors - you will see this window:

If you try to use a RW disc for this mode - it will not work and you will see this message window:

- **Verify**

    If you want to verify that your image has been written properly to your disc you can select this option. It will re-read your burned disc and compare it to the original file.

- **L:**

    Loads the tray in the selected device.

- **E:**

    Ejects the tray in the selected device.

- **Settings**

    o **Write Speed:**

        You can here select the speed rate at which you want the burning to be performed at.

        If you want to burn as fast as either the burner or the media is capable of - select 'MAX'. If you want to burn at a desired speed - select that corresponding number at which you want to burn at in the drop-down box.

        DVDs can only be burned at 16X as fastest. If you see a higher speed number in the drop-down box - it's a setting for CD burning. After that the program is installed for the first time - it will show 56X.
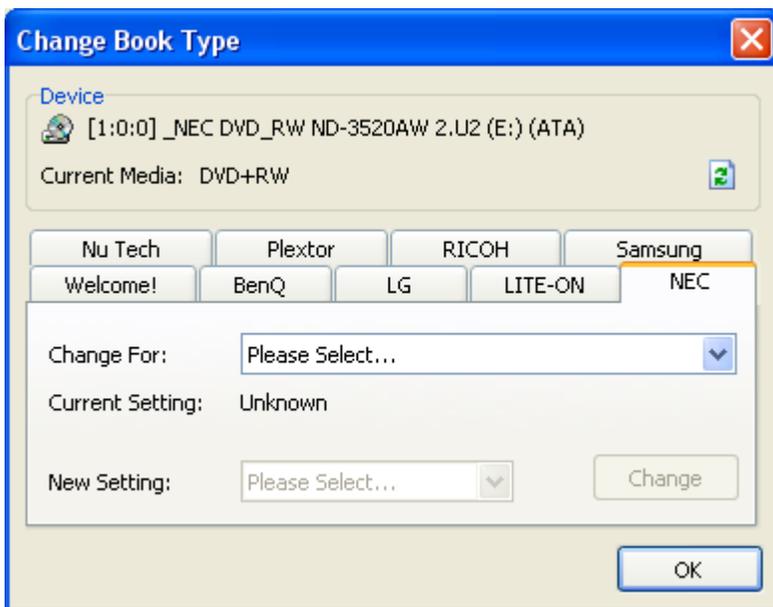
    o **Book Type:**

        If your drive supports book type/bit setting, remember to tell it to burn DVD +R/+RW discs as DVD-ROM. This will make them more compatible with players. The book type/bit setting

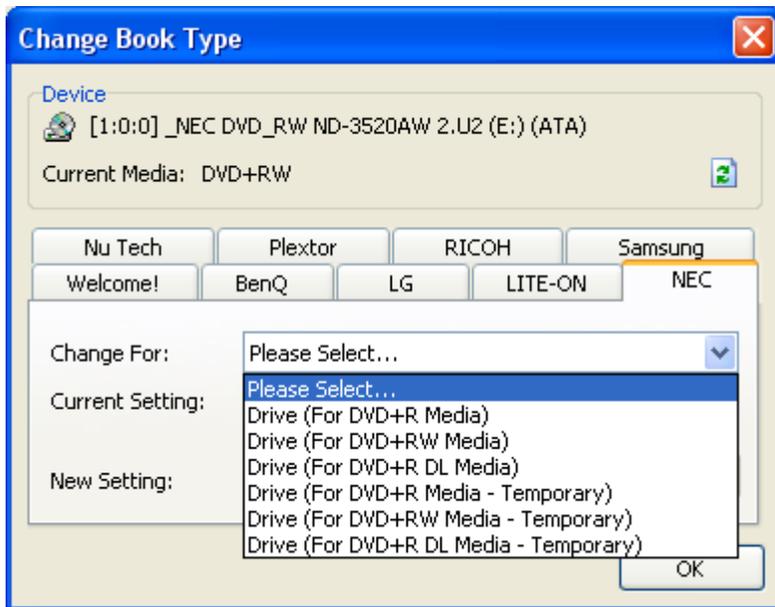utility is accessed by clicking on the little 'book' icon in the lower right part of the window.

You will then see this menu:
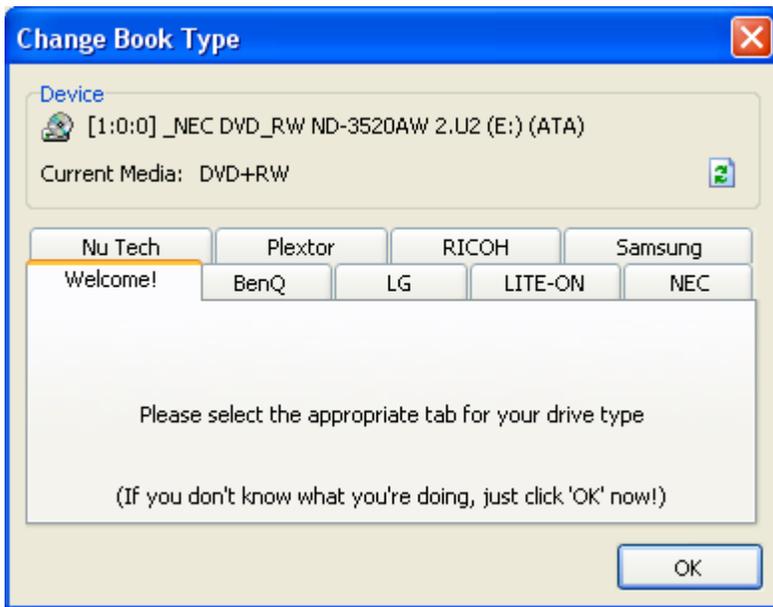
Now select your brand of burner. In my example I select 'NEC'.
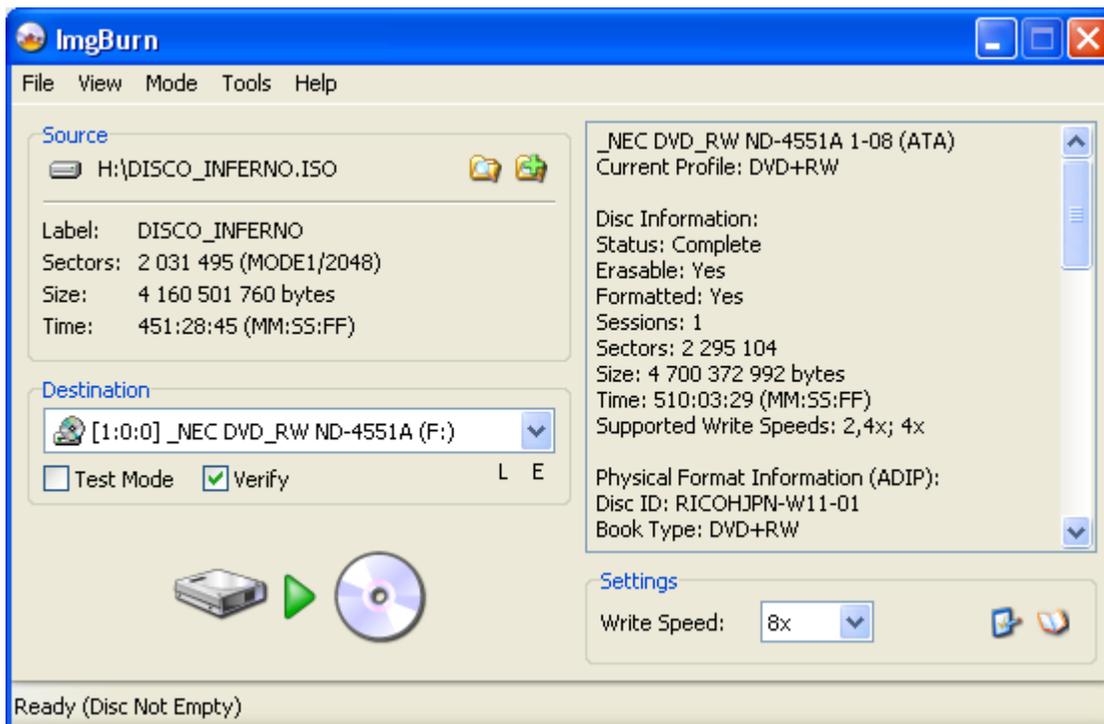

You can now select the option you want to carry out.

The Burning Process

Insert a blank DVD disc in your CD/DVD burners drive.

After that the disc has been loaded - the right part of the program window will now show you information about your inserted disc.

Code:

```
_NEC DVD_RW ND-4551A 1-08 (ATA)
Current Profile: DVD+RW
```

```
Disc Information:
Status: Complete
Erasable: Yes
Formatted: Yes
Sessions: 1
Sectors: 2 295 104
Size: 4 700 372 992 bytes
Time: 510:03:29 (MM:SS:FF)
Supported Write Speeds: 2,4x; 4x

Physical Format Information (ADIP):
Disc ID: RICOHJPN-W11-01
Book Type: DVD+RW
Part Version: 2
Disc Size: 120mm
Maximum Read Rate: Not Specified
Number of Layers: 1
Track Path: Parallel Track Path (PTP)
Linear Density: 0.267 um/bit
Track Density: 0.74 um/track
First Physical Sector of Data Area: 196 608
Last Physical Sector of Data Area: 2 491 711
Last Physical Sector in Layer 0: 0

Physical Format Information (Last Recorded):
Disc ID: RICOHJPN-W11-01
Book Type: DVD+RW
Part Version: 2
Disc Size: 120mm
Maximum Read Rate: Not Specified
Number of Layers: 1
Track Path: Parallel Track Path (PTP)
Linear Density: 0.267 um/bit
Track Density: 0.74 um/track
First Physical Sector of Data Area: 196 608
Last Physical Sector of Data Area: 2 491 711
Last Physical Sector in Layer 0: 0

Current Format Capacity:
Sectors: 2 295 104
Size: 4 700 372 992 bytes
Time: 510:03:29 (MM:SS:FF)

Maximum Format Capacity:
Sectors: 2 295 104
Size: 4 700 372 992 bytes

Time: 510:03:29 (MM:SS:FF)
```
Press the icon to select the image file you want to burn. If you are burning a DL ISO image you should select the .mds file if there is one as that one contains the information about where the layerbreak will be placed. If you should forgot that - the program will remind you.

When you have set your settings you are ready to burn the image. Press the start button

 and your burning begins.
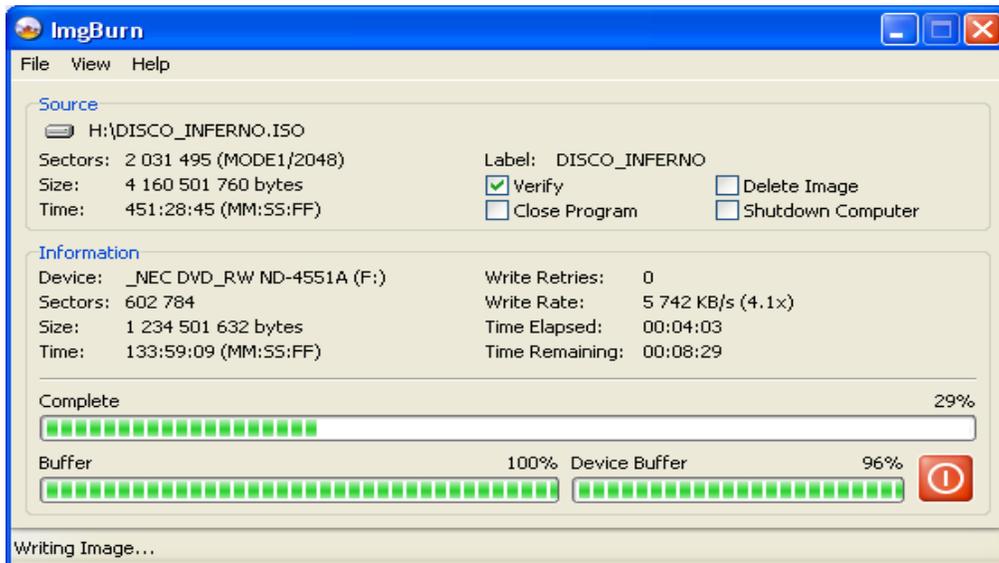
If you have selected the option 'Verify' - the disc tray will eject before that the verifying process takes place and the program waits for the disc to be reloaded again. You can select in the options settings if you want the disc to be ejected or not before the verifying process.

It verifies that the data that was suppose burned, was burned. Most likely, the DVD will burn fine, and if it doesn't, it'll tell you during the burn. You can leave this 'enabled' ('disabled' by default) if you want to feel extra safe.

This shows you how the verifying process is running:
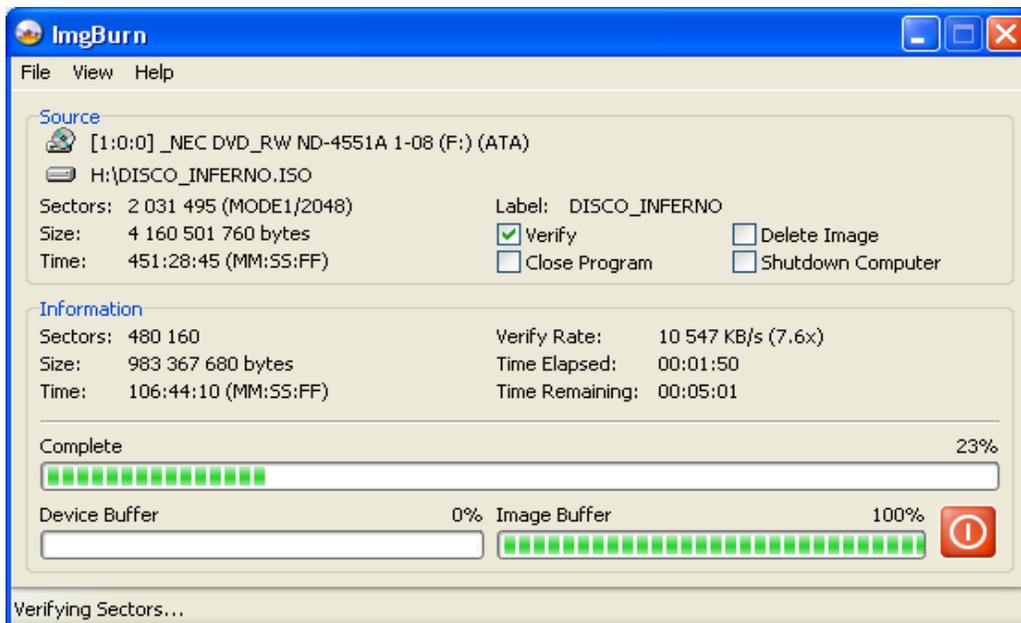
When it's done and if the burning and verifying process was finished without errors - a dialogue box will come up saying burning is complete.
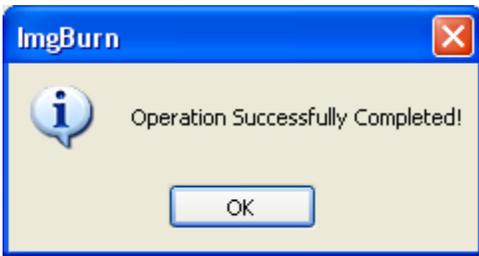
After that message, you can hit "OK" and go ahead and remove the disc.
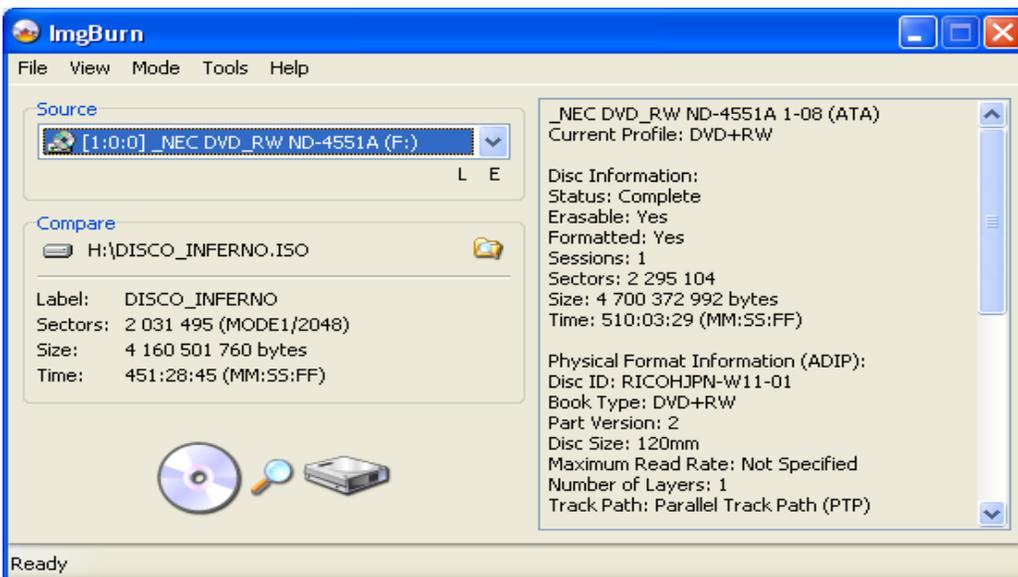
Your burning ended with an error?

If this should happen - take a look in [this](#) FAQ.

The Menus

3. Mode - Verify

Insert a burned DVD disc in your CD/DVD burners drive.

After that the disc has been loaded - the right part of the program window will now show you information about your inserted disc.

Code:

```
_NEC DVD_RW ND-4551A 1-08 (ATA)
Current Profile: DVD+RW

Disc Information:
Status: Complete
Erasable: Yes
Formatted: Yes
Sessions: 1
```

```
Sectors: 2 295 104
Size: 4 700 372 992 bytes
Time: 510:03:29 (MM:SS:FF)

Physical Format Information (ADIP):
Disc ID: RICOHJPN-W11-01
Book Type: DVD+RW
Part Version: 2
Disc Size: 120mm
Maximum Read Rate: Not Specified
Number of Layers: 1
Track Path: Parallel Track Path (PTP)
Linear Density: 0.267 um/bit
Track Density: 0.74 um/track
First Physical Sector of Data Area: 196 608
Last Physical Sector of Data Area: 2 491 711
Last Physical Sector in Layer 0: 0

Physical Format Information (Last Recorded):
Disc ID: RICOHJPN-W11-01
Book Type: DVD+RW
Part Version: 2
Disc Size: 120mm
Maximum Read Rate: Not Specified
Number of Layers: 1
Track Path: Parallel Track Path (PTP)
Linear Density: 0.267 um/bit
Track Density: 0.74 um/track
First Physical Sector of Data Area: 196 608
Last Physical Sector of Data Area: 2 491 711
Last Physical Sector in Layer 0: 0
```
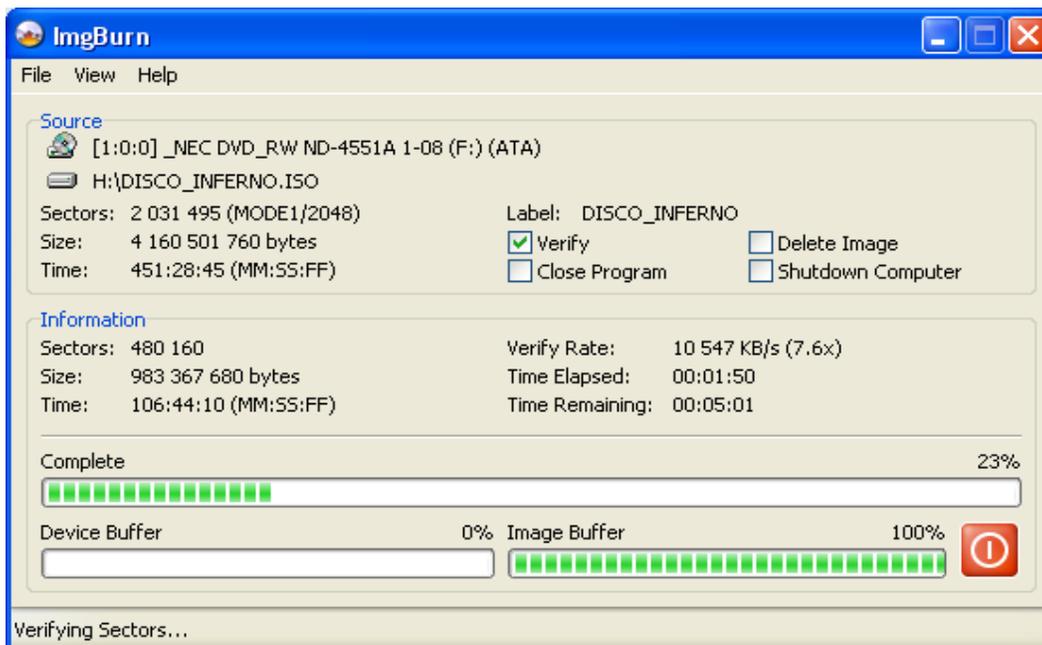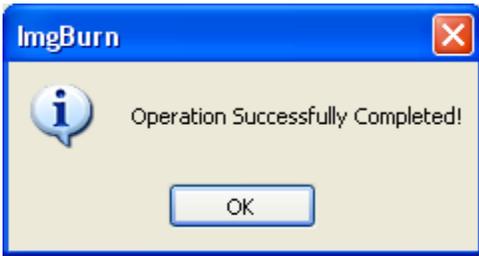
Press the start button and your verifying begins.

This shows you how the verifying process is running:

When it's done and if the verifying process was finished without errors - a dialogue box will come up saying burning is complete.
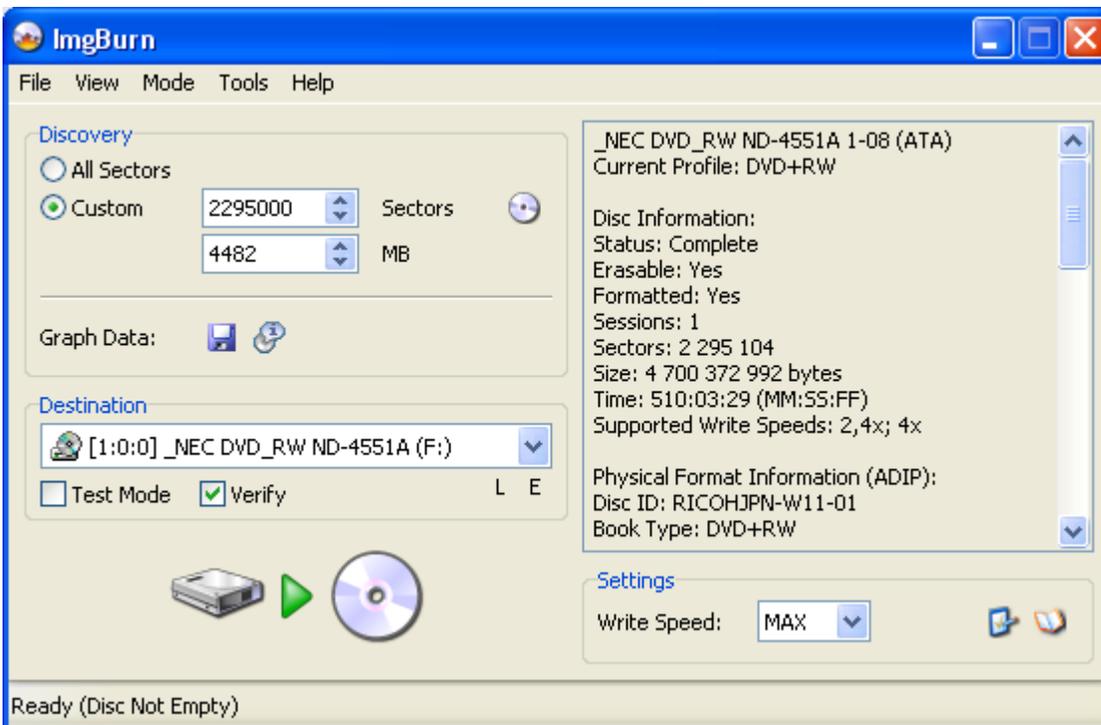

After that message, you can hit "OK" and go ahead and remove the disc.

The Menus

3. Mode - Discovery

The Menus

4. Tools

ISO ▸
Drive ▸

Create DVD MDS File...

Search for SCSI / ATAPI devices

Settings...

- **ISO**

  Change Volume Label...
  Display IFO Layer Break Information...

  o **Change Volume Label**

    Change Volume Label

    You can here change the Volume Label name of an image file.

    Change Volume Label

    ▭ Please select an image file...   📁

    ISO9660 [   ]

    Joliet   [   ]

    UDF   [   ]

    [OK]   [Cancel]   [Apply]

    Now we want to open up our ISO file and change the Volume Label name. Select the imagefile you want to use by using the folder icon 📁to be loaded into the program.

    Change Volume Label

    ▭ H:\YOUR_MOVIE_TITLE.ISO   📁

    ISO9660 [MICKEY_MOUSE   ]

    Joliet   [N/A   ]

    UDF   [MICKEY_MOUSE   ]

    [OK]   [Cancel]   [Apply]

    Now you can change it to what you want. Then just press the button 'OK' and the name is changed.

- o **Display IFO Layer Break Information...**

  This will display the layer break information from a DL image.

- • **Drive**

- o **Refresh**

  Does a new initiation of the DVD and reads it once again. Just as you had inserted the DVD once again.

- o **ReZero**

  The REZERO UNIT command positions the laser head of the drive to the zero track (LBA 0) and basically reinitialises the drive.

This command exists for command compatibility and it works on several drives.

o **Load**

Closes the device tray.

o **Eject**

Ejects the device tray.

o **Lock Tray**

Locks the device tray.

o **UnLock Tray**

Unlocks the device tray.

o **Set Read Speed**

This setting is not used by the program.

o **Erase Disc**

If you want to erase your RW disc - you can do it here.

```
Quick
Full
```

- **Quick**

  Does a quick erase of the disc.

- **Full**

  Wipes out the whole disc. This takes longer time than the 'Quick' version above.

o **Synchronise Cache**

The command flushes the cached buffers to media which makes it possible to resume the data flow.

Synchronise Cache is used after a failed burn (not needed if you burnt with ImgBurn because it performs that operation regardless). It basically tells the drive the Write operation has finished and that it's to finish writing everything in it's cache to the disc and basically clean up after itself.

o **Close**

If your burned disc have not been properly closed - you can do it here.

Track
Session
Disc

- **Track**

  Closes the track.

- **Session**

  Closes the session.

- **Disc**

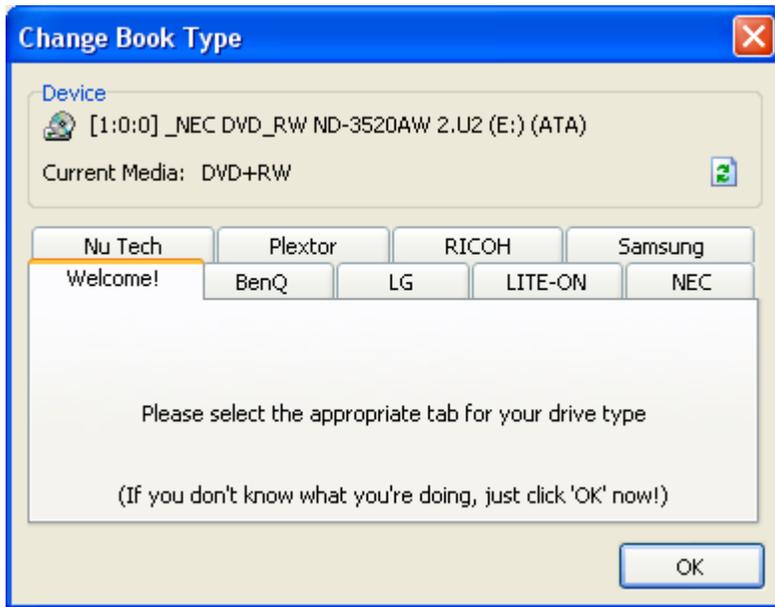 Closes the whole disc.

o **Change Advanced Settings...**
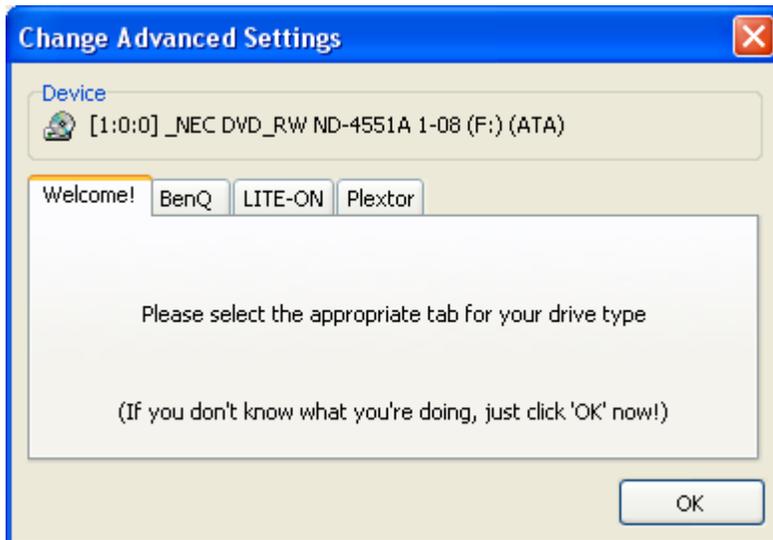
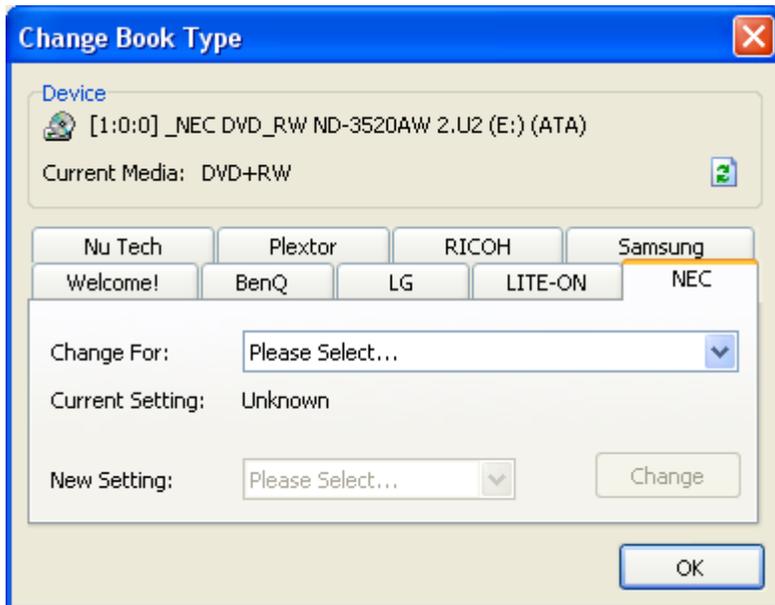Here you can change some settings if you have a BenQ, LiteOn or Plexter writer.

o **Change Book Type...**

If your drive supports book type/bit setting, remember to tell it to burn DVD +R/+RW discs as DVD-ROM. This will make them more compatible with players.
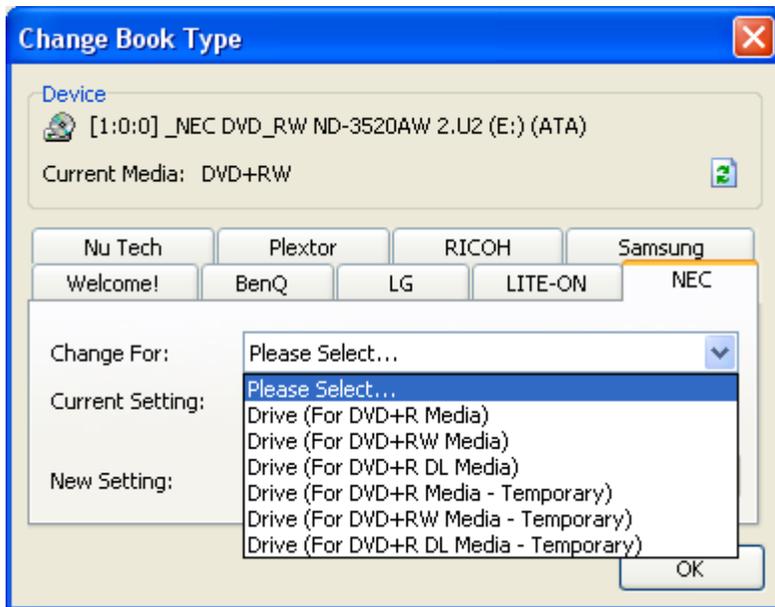
You will see this menu after you have selected this option:

Now select your brand of burner. In my example I select 'NEC'.

You can now select the option you want to carry out.
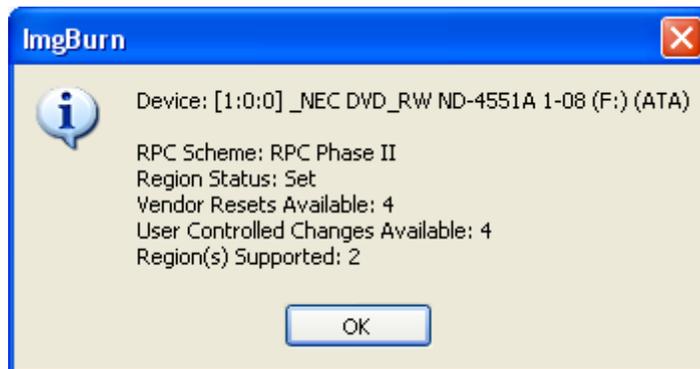
o **Regional Code**

▪ **Information**

This will show you the current Region Code settings for your device.

If you should see this window - it will in most cases mean that your burner is flashed with regionfree firmware.
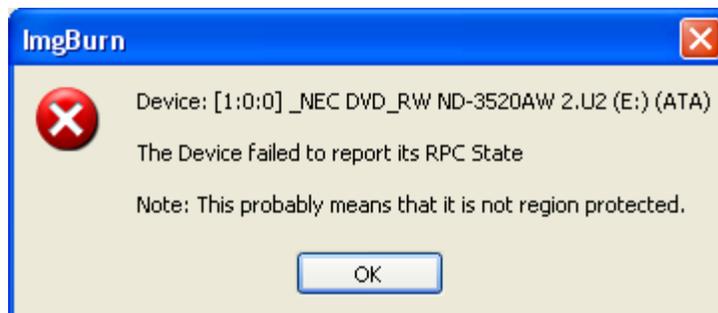
- **Change**

    You can here change the current Region Code for your device.

    Just remember that you can only change this setting five times. The last Region Code you then set it to - will be to that one forever.

    If you should see this window - you can't change the region code because you have a regionfree firmware installed.

o **Capabilities**

    This shows your selected devices capabilities.

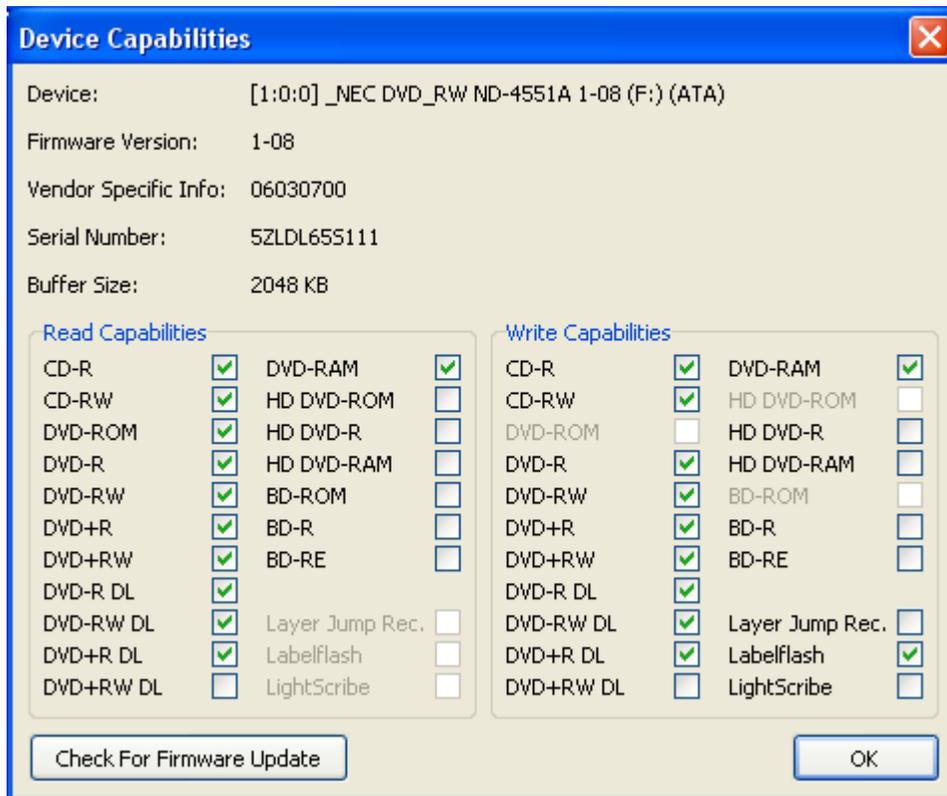- o **Check For Firmware Updates…**

  You need to be connected to internet in order for it to work. The program searches 'The Firmware page' and shows you available firmware updates for your selected device. It also shows you your current installed firmware version.
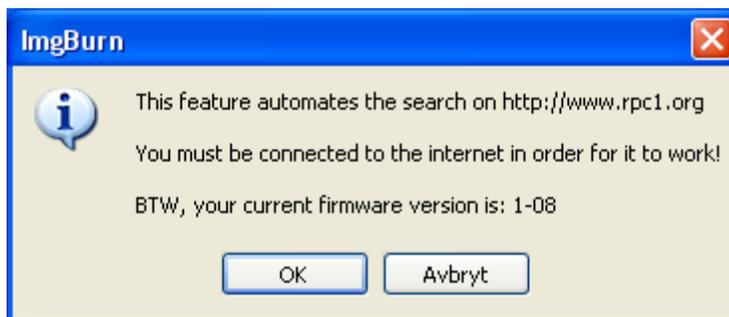
- **Create DVD MDS file…**

  If your hard disk is not NTFS formatted you can't deal with ISO files over 4 GB in size. Your ISO file will have to be split to several ISOs. To create an index over those files - you can create a MDS file.

  Normally this should have been done automatically by the program while it saved your ISO creation.
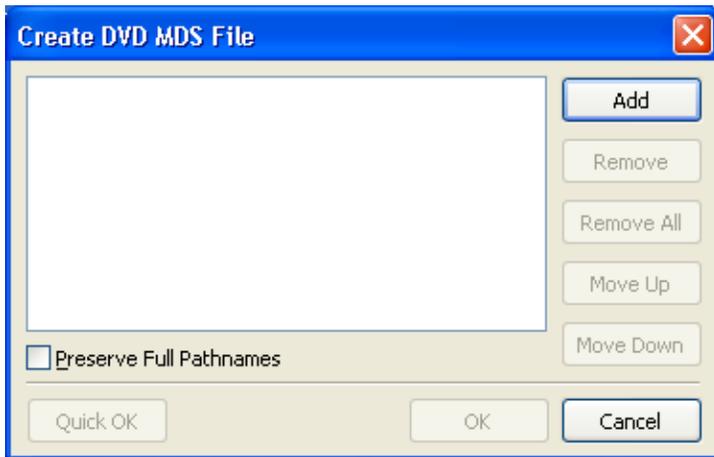
- **Search for SCSI/ATAPI Devices**

  Searches your computer for installed devices - such as CD/DVD burners and DVD-ROMs.

- **Settings…**

  This will give you a menu of the different settings you can apply to the program.

  There are seven different tabs in this menu:

- o **The Tabs**

  These additional registry settings are explained in the next section of the guide.

    1. **General**
    2. **Write**
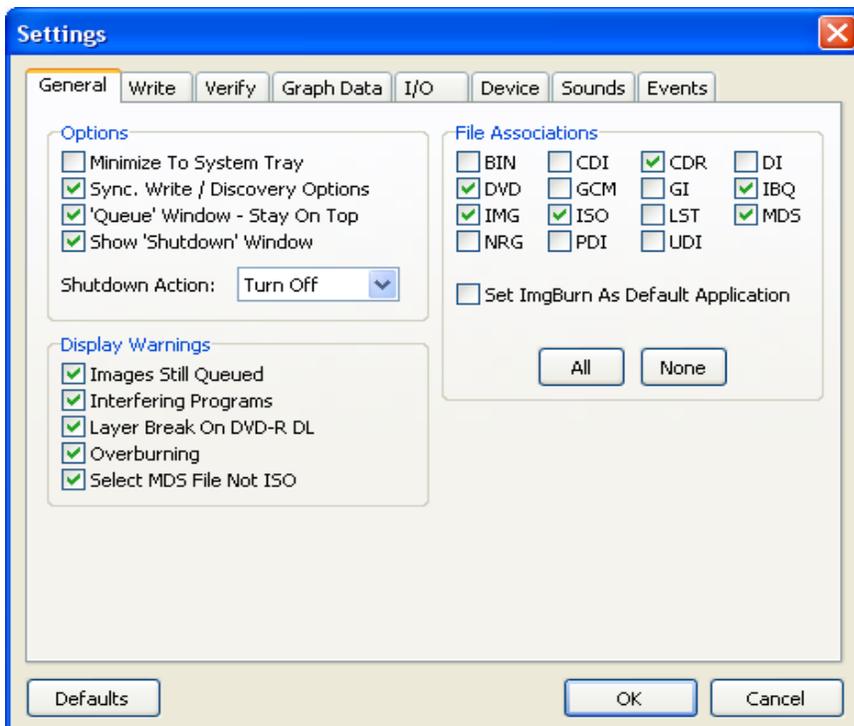   3. **Verify**
    4. **Graph Data**
    5. **I/O**
    6. **Device**
    7. **Sounds**
    8. **Events**

- o **Defaults**

  The default setting is showned in blue in this guide.

  If you have changed any settings and want to use the default ones. Simply press the 'Default' button. The program will ask you if you really want to reset the settings:
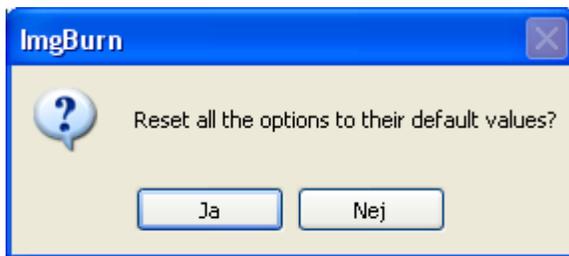
  If you press 'Yes, your changes will be reverted back to default.

  Every time you install the program - such as after an update of the program - your old settings will be lost and the default ones is used instead.

The Menus

5. Help

- **Check for ImgBurn Update**

  This will check if there is a new version of ImgBurn available for downloading.

- **Visit ImgBurn Homepage**

  This will open up your internet browser and connect you to the ImgBurn Homepage.

- **Visit ImgBurn Support Forum**

  This will open up your internet browser and connect you to the official ImgBurn Support Forum.

- **Make a Donation…**

  This will open up your internet browser and give you the opportunity to donate some bucks to the author of this program.

- **About ImgBurn…**

  This will show you the program version that you are using.

General
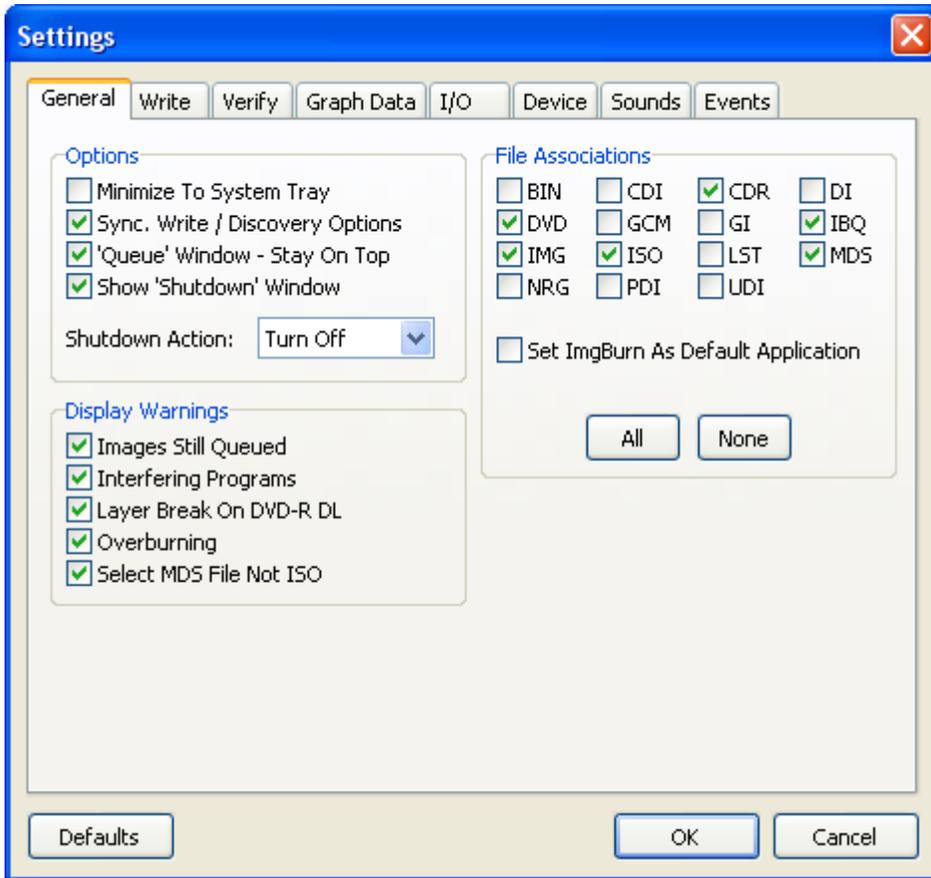
- **Options**

    o **Minimize To System Tray**

        When enabling this option, ImgBurn will minimize itself as an icon to the system tray. (System tray is where your PC clock is located.)

        If you want to bring the ImgBurn window backup, you would double click the "CD" looking icon. Alternatively, you could right click on the "CD" looking icon and left click on "Restore ImgBurn".

        If you have a few windows open while ripping. This will minimize ImgBurn to the tray and remove the ImgBurn box from your taskbar.

        The default setting is 'disabled'.

    o **Sync. Write / Discovery Options**

The default setting is 'enabled'.

- o **'Queue' Window - Stay On Top**

  The default setting is 'enabled'.

- o **Show 'Shutdown' Window**

  The default setting is 'enabled'.

  - ▪ **Shutdown Action:**

    - ▪ **Log Off**

    - ▪ **Restart**

    - ▪ **Turn Off**

    - ▪ **Stand By**

    - ▪ **Hibernate**

      The default setting is 'Turn Off'.

- • **Display Warnings**

  - o **Images Still Queued**

    The default setting is 'enabled'.

  - o **Interfering Programs**

    The default setting is 'enabled'.

  - o **Layer Break On DVD-R DL**

- o **Overburning**

  The default setting is 'enabled'.

- o **Select MDS File Not ISO**

  In most cases you should select the .ISO file when you want to burn the image. In some cases there is the need to select the .MDS file instead:

  - **Your hard disk is not NTFS formatted**

    As Windows 98 and some older Windows version is based on the FAT 32 filesystem (and a lot of people still use this even under Win XP) which cannot handle files larger than 4 GB and shrinked movies usually are at about 4.7 GB, a program such as DVD Shrink splits the backup files on such systems into a multipart or segmented ISO which consists of several 1 GB files with an enumerated extension like .i01, .i02 and an .mds file of a few bytes which holds info on the parts.

  - **You are going to burn to a DL disc**

    MDS is just a file that is generated along with the ISO file when making a 1/1 Copy or creating a ISO file on your hard drive. It just basically tells your burner where to put the layer break for dual layer burning.

  The default setting is 'enabled'.

-
- **File Associations**

  Whatever type is checked will be opened in ImgBurn if you double click on a file having such an extension.

  - o **BIN**

    BIN is the file extension for the Binary file.

    The default setting is 'disabled'.

  - o **CDI**

    CDI is the file extension for the Phillips Compact Disk Interactive file.

    The default setting is 'disabled'.

  - o **CDR**

    CDR is the file extension Raw Audio-CD data file.

    The default setting is 'enabled'.

- **DI**

  Atari Disk Image (Atari).

  The default setting is 'disabled'.

- **DVD**

  DVDMaestro Project File (Spruce Technologies).

  The default setting is 'enabled'.

- **GCM**

  GameCube Image File (Nintendo).

  The default setting is 'disabled'.

- **GI**

  Sony CD Extreme Global Image File, Prassi or PrimoDVD Image or RecordNow MAX CD Image (Stomp).

  The default setting is 'disabled'.

- **IBQ**

  IsoBuster Optical Media Data Container File (Smart Projects).

  The default setting is 'disabled'.

- **IMG**

  Apple Macintosh Disk Copy Format (Apple Computer, Inc.)

  The default setting is 'enabled'.

- **ISO**

  An ISO image (.iso) is an informal term for a disk image of an ISO 9660 file system.

  The default setting is 'enabled'.

- **LST**

  Ingres Dump List File (Computer Associates International, Inc.).

  The default setting is 'disabled'.

- **MDS**

  Media Descriptor Image File.

  The default setting is 'enabled'.

o **NRG**

NRG is the file extension for the Image file associated with Nero.

The default setting is 'disabled'.

o **PDI**

InstantCopy Disc Image (Pinnacle Systems, Inc.)

The default setting is 'disabled'.

o **UDI**

Universal Disk Image.

The default setting is 'disabled'.

- **Set ImgBurn as Default Application**

With this option you can set ImgBurn as the default application for some or all of the above image formats.
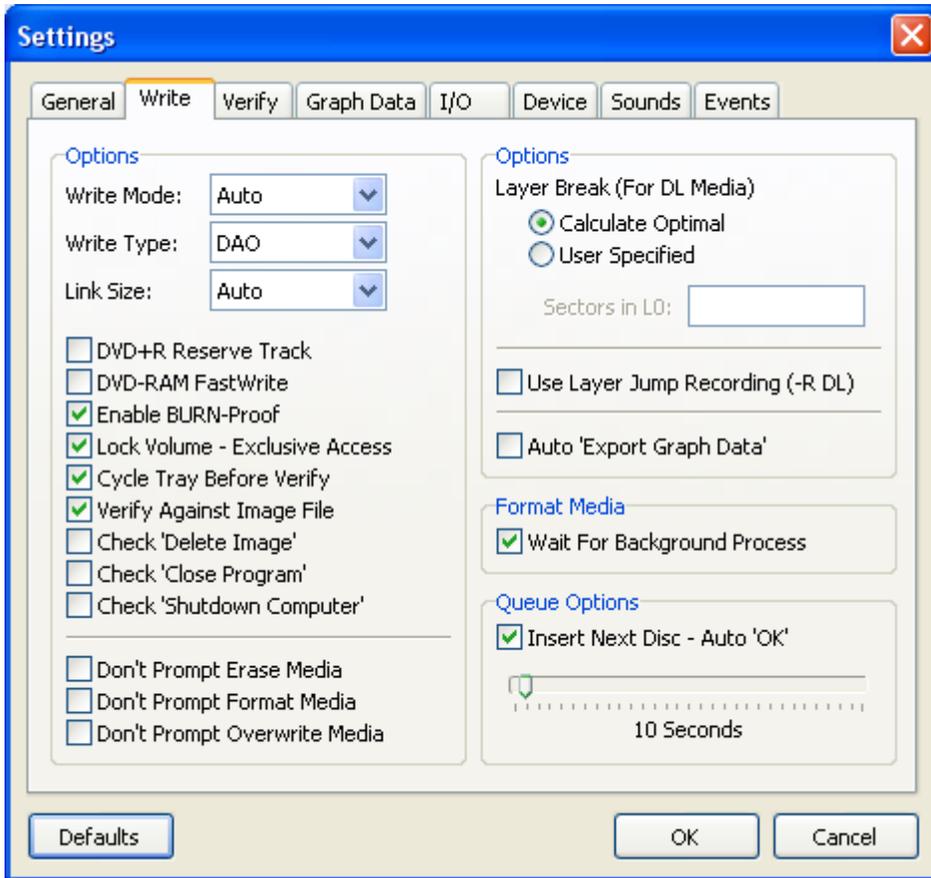
o **All**

This will checkmark all of the above image formats.

o **None**

This will uncheck all of the above image formats.

The default setting is 'disabled'.

Write

- **Write Mode:**

  - **Auto**
  - **DVD**
  - **CD**

- **Write Type:**

  - **DAO**
  - **Incremental**

- **Link Size:**

  - **Auto**
  - **0**
  - **1**
  - **16**

- **DVD+R Reserv Track**

- **DVD-RAM FastWrite**

- **Enable BURN-Proof**

  BURN-Proof (or BurnProof) is an unfortunate abbreviation of "Buffer-Under-RuN Proof". The technology allows you to avoid buffer underruns by suspending and restarting the write process when the recorder's buffer is about to empty. (See section (4-1) if you're not familiar with buffer underruns.)

  All of these are for situations where your computer is unable to send data to the drive quickly enough to keep the buffer full. They will not help you if your computer loses power, your software crashes, your media is of poor quality, or you smack the drive hard enough to disrupt the recording process.
  Nearly all CD/DVD recorders announced in or after 2001 featured some variation of buffer underrun protection.

  Ideally, the results of interrupted and uninterrupted writes would be identical. In practice, there may be a small glitch at the point where writing was suspended. The general concensus is that these technologies are effective and do not result in noticeable glitches.

  The default setting is 'enabled'.

- **Lock Volume - Exclusive Access**

  This will stop other programs for accessing your burner while you do the burn.

  The default setting is 'enabled'.

- **Cycle Tray Before Verify**

  CD/DVD recorders (and modern CD/DVD-ROM drives) have a chunk of RAM that holds blocks read from the disc. Some drives provide a way to clear this out, some don't.

  All drives need to have their block cache cleared out after writing completes and before disc verification begins. If this weren't done, the files being verified could be read out of the block cache instead of from the disc itself, defeating the purpose of the verification pass. Also, some CD/DVD recorders need to have their recording buffers explicitly cleared between the "test" and "write" passes.

  The most reliable, 100%-guaranteed-to-work approach is to eject the disc and re-insert it. Watching your CD/DVD tray open and close can be startling at first, but in general it's harmless.

  Back in the early days of CD recording, the situation was a bit more awkward. Caddy drives were the norm, so an ejected disc had to be manually re-inserted. Some poorly-written CD recording software would automatically start the "write" pass a few seconds after the "test" pass, without waiting for the disc to be re-inserted, so you either had to be paying close attention or set the "wait until told to continue" option.

- **Verify Against Image File**

  This option will run the verify process against the actual image you burned. If not enabled - it will only try to read the burned disc.

- **Check 'Delete Image'**

  This will pre-check this option in the 'ISO Write Mode' window. After a successful burn the image source will be automatically deleted.

- **Check 'Close Program'**

  After a successful burning - the program will terminate itself.

- **Check 'Shutdown Compute'**

  This will pre-check this option in the 'ISO Write Mode' window.

- **Don't Prompt Erase Media**

  If you enable this option - the program will erase your RW disc automatic if it's needed.

- **Don't Prompt Format Media**

  If you enable this option - the program will format your RW disc automatic.

- **Don't Prompt Overwrite Media**

  If you enable this option - the program will owerwrite your RW disc automatic.

- **Layer Break (For DL Media**

  - **Calculate Optimal**

    The program will calculate the optimal layer break.

  - **User Specified**

    You can insert where you want the layer break to be present.

- ▪ **Sectors in L0:**

  Input the amount of sectors you want to be on the first layer of the disc.

Use Layer Jump Recording (-R DL)

The default setting is 'disabled'.

- **Auto 'Export Graph Data'**

  The default setting is 'disabled'.

- **Format Media**

  - o **Wait For Background Process**
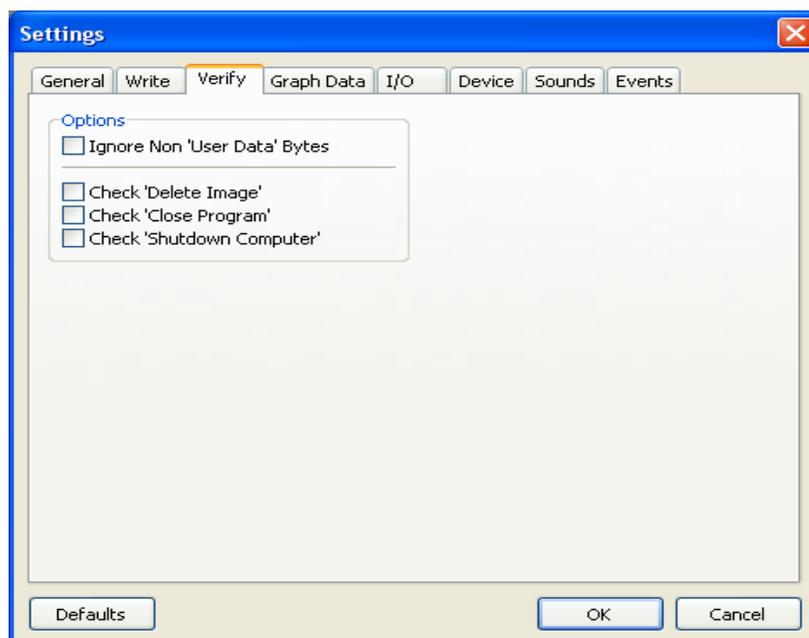
    The default setting is 'enabled'.

- **Queue Options**

  - o **Insert Nect Disc - Auto 'OK'**

    When you use the Queue function - the program will ask you to insert a new disc and after that is done it will wait 10 seconds by default before it starts the burning process. In this option you can specify how long that time should be.
    The default setting is 'enabled'.
  - o **Verify**

- **Ignore Non 'User Data' Bytes**

  The default setting is 'disabled'.

- **Check 'Delete Image'**

  After a successful verify the image file will be automatically deleted.

  The default setting is 'disabled'.

- **Check 'Close Program'**

  After a successful verify ImgBurn will be automatically closed down.
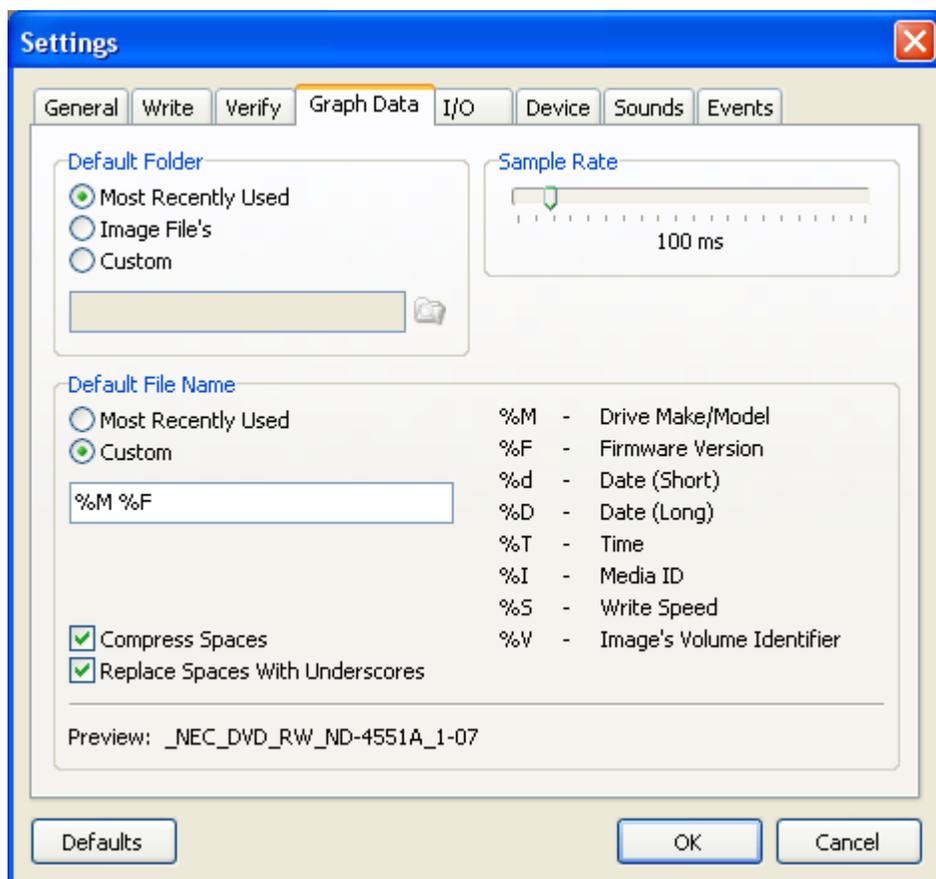
  The default setting is 'disabled'.

- **Check 'Shutdown Computer'**

  After a successful verify the computer will be automatically shutdown.

  The default setting is 'disabled'.

Graph Data

- **Default Folder**

- o **Most Recently Used**

- o **Image File's**

- o **Custom**

The default setting is 'Most Recently Used'.

- **Default File Name**

  - o **Most Recently Used**

  - o **Custom**

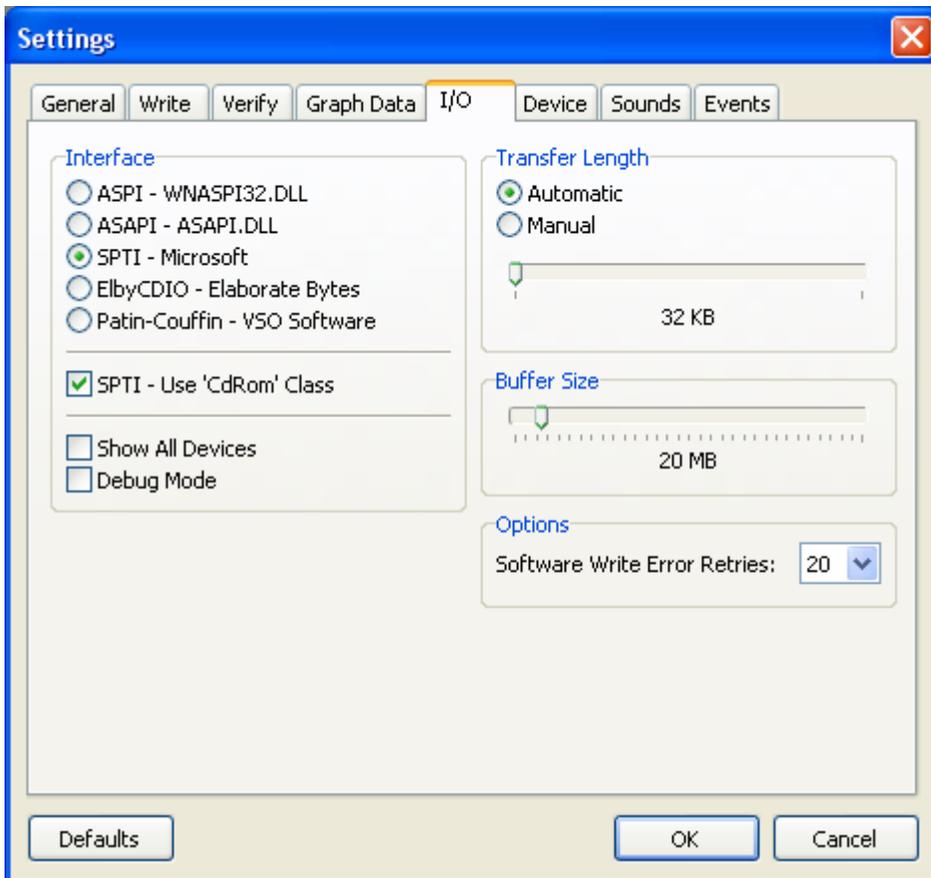The default setting is 'Custom'.

- **Compress Spaces**

The default setting is 'enabled'.

- **Replace Spaces With Underscores**

The default setting is 'enabled'.

- **Sample Rate**

I/O

- **Interface**

  You can select how ImgBurn accesses your DVD drive.

  o **ASPI - WNASPI32.DLL**

    Neros ASPI.

    ASPI - Advanced SCSI Programming Interface, a method that some programs use to access data on drives. Although designed for SCSI drives, it is actually required for non-SCSI devices too, so Force ASPI is sometimes required. Useful for accurate DVD and CD ripping.

  o **ASAPI - ASAPI.DLL**

    The VOB ASAPI layer is an advanced ASPI programming interface. Both IDE and SCSI devices can be used. It is supposed to be 10-15% quicker than normal ASPI layers.

  o **SPTI - Microsoft**

    The default SPTI works if you have an Microsoft NT based operating system (Windows NT, Windows 2000, Windows XP and Windows Server 2003), and does not require any special drivers. All other options require special drivers that you first have to download and install.

    ASPI is mainly for compatibility with Windows 98/Me.

- o **ElbyCDIO - Elaborate Bytes AG**

  Eloborate Bytes AGs version of an ASPI layer.

- o **Patin-Couffin - VSO Software**

  Patin-Couffin access layer device I/O interface.

- **SPTI - Use 'CdRom' Class**

  This is how ImgBurn talks to your drives. The common method is to open them using the path '\\.\CdRomX' - where X is some number. That's the 'Cdrom' class. The alternative is via their drive letter using the path '\\.\X:\' where X is the drive letter. That was mainly added for linux users who use the program via Wine.

  The default setting is 'enabled'.

- **Show All Devices**

  If this is set to 'disabled' - the program will only show you DVD compliant devices.

  The default setting is 'disabled'.

- **Debug Mode**

  With this option enabled you will see a much more detailed log file report. This can be used as an error trace function.

  You can also press the function key 'F8' in the main program window of ImgBurn and enabled or disable this function.

  The default setting is 'disabled'.

- **Transfer Length**

  You can here set the amount of KB that the program should read each time in the reading cycle.

  - o **Automatic**

  - o **Manual**

    You can select either 32 KB or 64 KB.

- **Buffer Size**

  This buffer will be used to temporarily store the data that is being read from the DVD before it is being processed and then written to your hard disk.
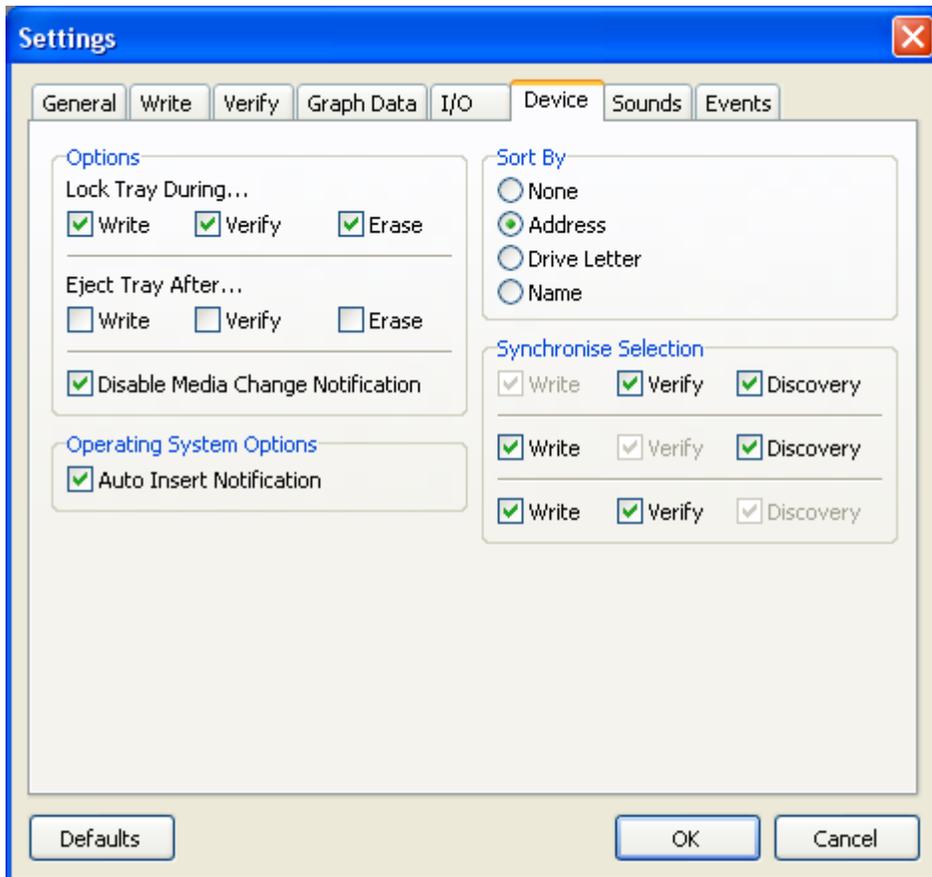
- **Software Write Error Retries:**

  When you burn a disc the program will retry to write that sector as many times as you has set it to do until ImgBurn gives up.

It can be set to a digit between 0 and 20.

The default setting is '20'.

Device

- **Lock Tray During...**

    If you lock the tray - it will prevent you from accidentally ejecting a DVD that you are currently erasing or writing a DVD.

    o **Write**

        If enabled the program will lock the tray during a write operation.

        The default setting is 'enabled'.

    o **Verify**

        If enabled the program will lock the tray during a verify operation.

        The default setting is 'enabled'.

    o **Erase**

        If enabled the program will lock the tray during a erase operation.

- **Eject Tray After...**

  You can set as an option that the tray is automatically ejected upon completing of the writing or erasing process.

  o **Write**

    If enabled the program will eject the tray after a read operation.

    The default setting is 'disabled'.

  o **Verify**

    If enabled the program will eject the tray after a verify operation.

    The default setting is 'disabled'.

  o **Erase**

    If enabled the program will eject the tray after a erase operation.

    The default setting is 'disabled'.

- **Disable Media Change Notification**

  If enabled it stops the entire OS from knowing a disc has been inserted - only affects the currently selected drive. Useful for discs with 'Autorun' content and where a player would jump in and try to play the disc as ImgBurn is trying to initialise it.

  The default setting is 'enabled'.

- **Operating System Options**

  o **Auto Insert Notification**

    This is nothing to do with ImgBurn really, it's a global OS thing. The OS defaults to having it enabled. When it's disabled, no drives will autorun stuff when you insert a disc - regardless of if ImgBurn is loaded or not.
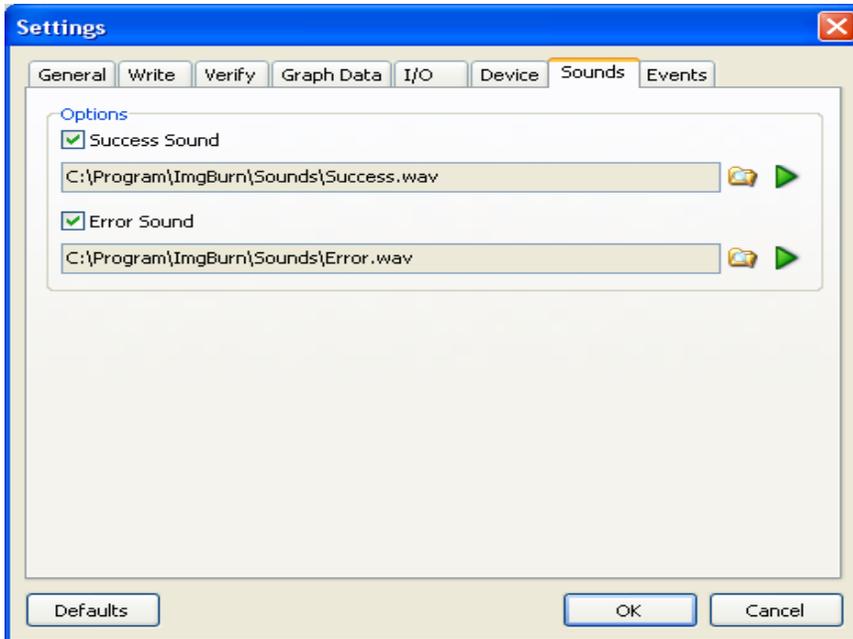
    The default setting is 'enabled'.
  o **Sort By**

    This indicates how ImgBurn sorts the list of drives (in case you have multiple drives).
  o **None**
  o **Address**
  o **Drive Letter**
  o **Name**

Sounds

- **Options**
  Here you can select if you want the program to play a sound and also which sound you want to hear.

    o **Success Sound**

      The default setting is 'enabled'.
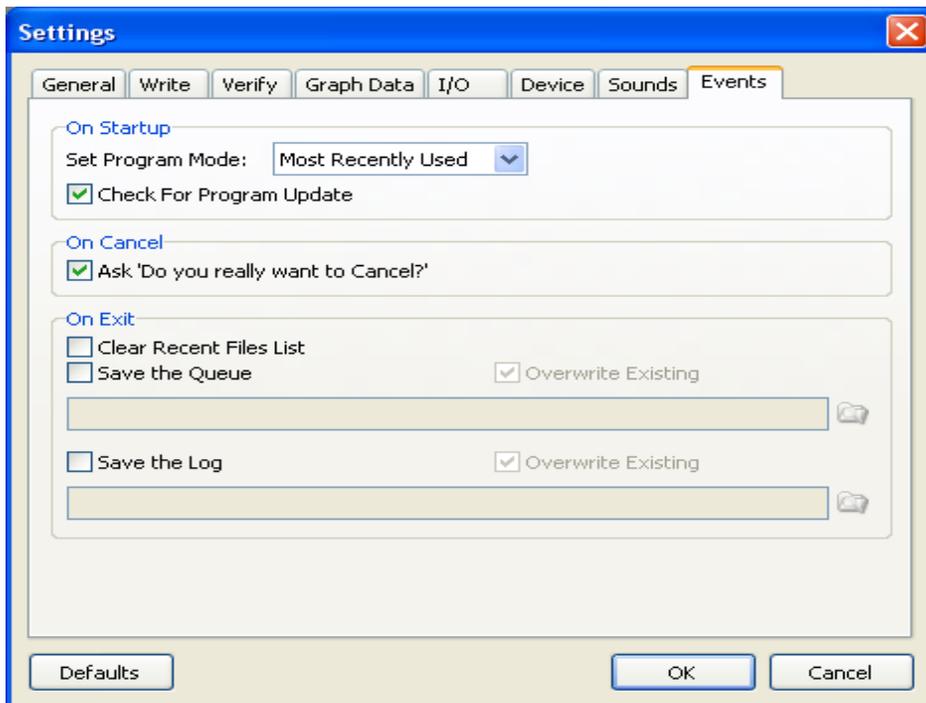
      The default sound is 'C:\Program Files\ImgBurn\Sounds\Success.wav'.

    o **Error Sound**

      The default setting is 'enabled'.

      The default sound is 'C:\Program Files\ImgBurn\Sounds\Error.wav'.

Events

- **On Startup**

    o **Set Program Mode:**

        ▪ Most Recently Used
        ▪ Write
        ▪ Verify
        ▪ Discovery

    o **Check For Program Update**

        The setting should be set to 'enabled'.

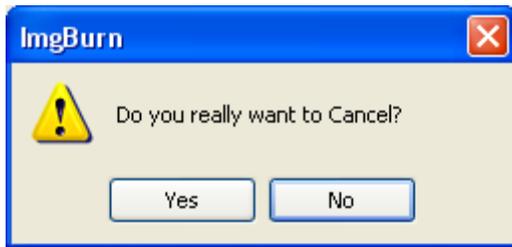   The default setting is 'enabled'.

- **On Cancel**

    o **Ask 'Do you really want to Cancel?'**

        The 'On Cancel' option is just a backup in case you accidently click the 'Stop' button by mistake while ripping. It will also ask if you want to delete the incomplete files.

        If you enable this option - you will in such a case see this window:

Both of these settings are personal but default works fine for most.

The default setting is 'enabled'.

- **On Exit**

  o **Clear Recent Files List**

    The default setting is 'disabled'.

  o **Save the Queue**

    Here you have the option to let the program automatically saving the queue when you close the program.

    The default setting is 'enabled'.

  o **Overwrite Existing**

    The default setting is 'enabled'.

  Save the Log

  Here you have the option to let the program automatically saving the file log when you close the program.

  The default setting is 'disabled'.

  o **Overwrite Existing**

    If you select this - the old logfile will be overwritten. If you disable it the logifle will be saved as ImgBurn(1).log where the number will be replaced with a higher number next time you save a log file.

    The default setting is 'enabled'.

How To Do A Backup With A DL Disc
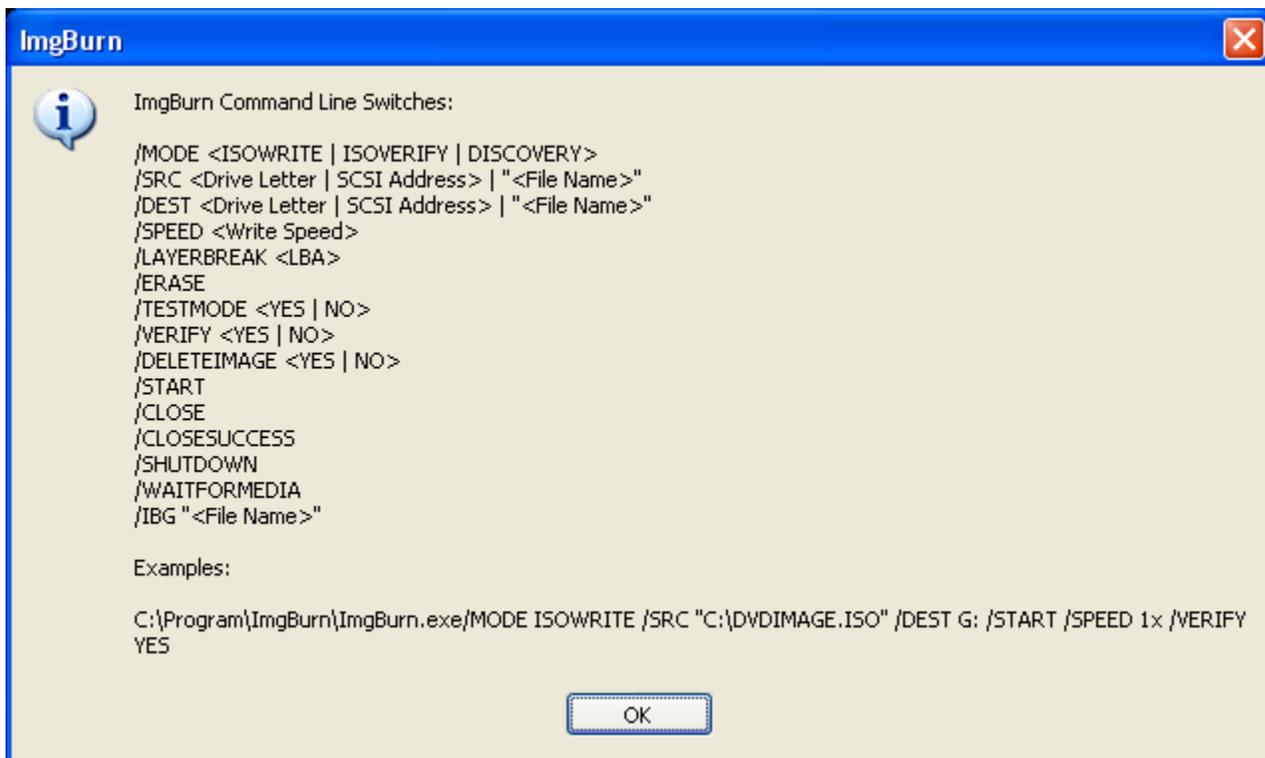
How to do the backup

Still haven't written this one yet. There is good guide written by blutach that you can find here:

http://www.digital-digest.com/articl...dit_page1.html

That one should solve your problems. :)

Supported Command Line Switches

(You can get a basic version of this list via 'ImgBurn.exe /?')

- **/MODE < ISOWRITE | ISOVERIFY | DISCOVERY>**

  Used to select the mode you want ImgBurn to start in.

- **/SRC | "< File Name>"**

  Used to select the source filename.

  - o Example: /SRC "C:\DVDIMAGE.ISO"

- **/DEST | "< File Name>"**

  Used to select the destination drive.

- o Example 1: /DEST J:
- o Example 2: /DEST 1:0:0

- **/SPEED**

  Used to change the value of the 'Write Speed' drop down list.

  The parameter must match the value within the drop down list exactly.

    - o Example 1: /SPEED MAX
    - o Example 2: /SPEED 1x
    - o Example 3: /SPEED 2.4x (or 2,4x depending on regional settings)

- **/LAYERBREAK**

  Used to tell the program where to put the layerbreak.

  Only applies when burning DVD+R DL discs.

    - o Example: /LAYERBREAK 2000000

- **/ERASE**

  Used to automatically erase / format / overwrite media.

- **/TESTMODE**

  Used to select if you want to burn or just perform a test burn without burning to the disc.

- **/VERIFY**

  Used to make the program verify a disc is readable after it has been burnt.

  Basically, it just checks (or unchecks!) the 'Verify after write' box for you!

- **/DELETEIMAGE**

  Used to make the program delete the image after it has been burnt.

  Basically, it just checks (or unchecks!) the 'Delete Image after write' box for you!

- **/START**

  Used to start the burn process automatically when the program has finished initialising.

  Basically, it just presses the 'Write' button for you!

- **/CLOSE**

  Used to close the program when the burn process has finished.

Basically, it just presses the 'Close' button for you!

- **/CLOSESUCCESS**

Used to close the program only if you had a successful burn when the burn process has finished.

Basically, it just presses the 'Close' button for you!

- **/SHUTDOWN**

Used to shutdown the computer when the program has finished burning.

Basically, it just checks the 'Shutdown computer when done' box for you!

- **/WAITFORMEDIA**

Will wait to perform the next command until the media has loaded properly in the driver.

- **/IBG "< File Name>"**

Saves the burning result in a graphical file for later use with DVDInfoPro.