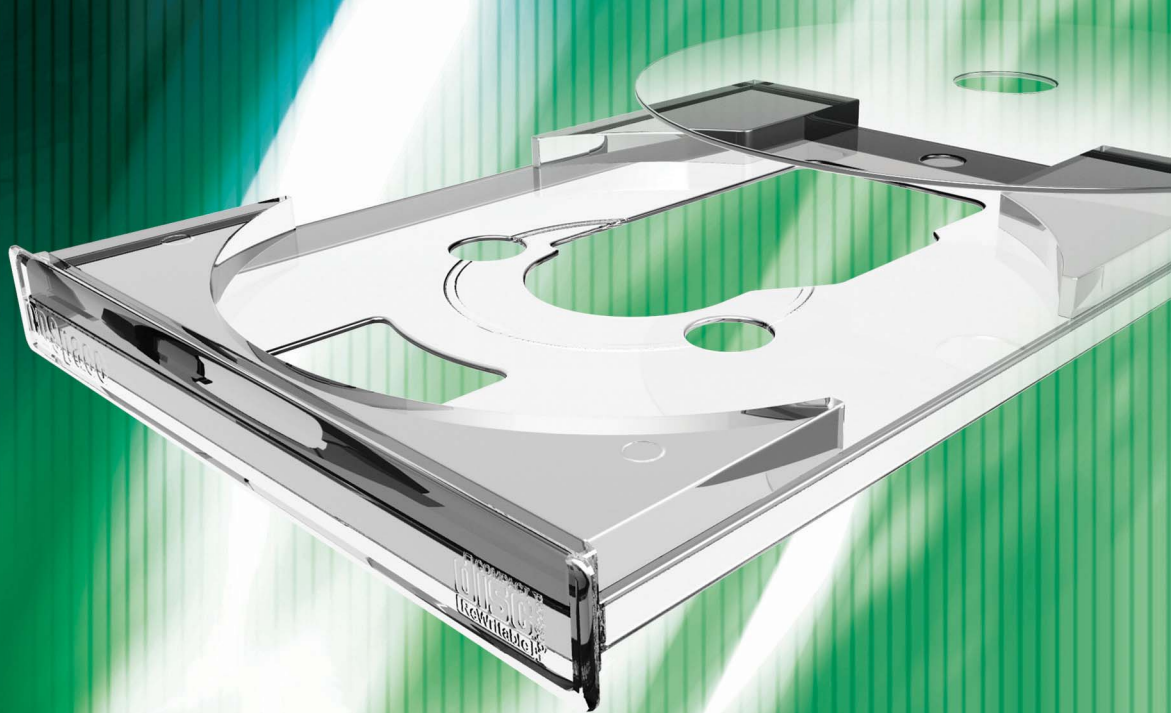


# CDSpace 5

User Manual



[www.CDSpace.com](http://www.CDSpace.com)

CDSpace 5 CDSpace 5 CDSpace 5 CDSpace 5 CDSpace 5 CDSpace 5 CDSpace 5

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**JUST Click!**

## 1. CDSpace 5

### 1-1. Introduction

#### ► CDSpace 5

CDSpace is a software for reading CDs and running CD programs without a CD by creating a virtual CD-ROM drive on the hard disk using software methods. This emulator allows you to run CD-ROM applications from your hard drive or network server. In your hard drive space, you can establish and access up to 23 different virtual CD-ROM drives.

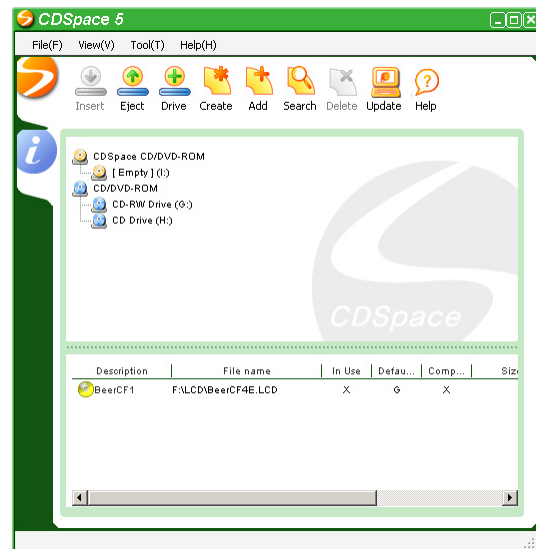
It is a revolutionary program encompassing high-tech programming techniques that provides the functions of CDSpace by creating image files of contents in CD-ROM titles (games, application programs, etc.) and storing them in the hard drive, and it can run programs faster (about 200 times) than those on conventional physical CD-ROM drives.

In fact, it can be said that CDSpace is an unprecedented new genre of CD-ROM emulation application technology.

A CD-ROM image is created using the finest compression technique in the hard drive (or network file server) to lighten the load from many CD-ROM applications as much as possible and a new virtual CD-ROM is added to the System.

From the moment you use CDSpace, there is no need to search CD-ROMs or load CD-ROMs in the drive. There is no need to wait for the CD-ROM drive to run, either. You also do not need to change the CD-ROM to run another application program.

#### ► CDSpace 5 User Interface



※ All other products and company names, brand names and logos are the property of the respective owners.

## 1-2. Features

1) Supports Windows Me,9x,XP,NT,2000,2003

2) **Easy image creation mode for beginner**

3) **Live update** : use the product's LiveUpdate button to receive the latest files. (Internet connection is essential)

4) **Uses Skin for User Interface**

5) **Password protection for each image file**

6) **Uses tray icons** : CDSpace uses tray icon functions to run and create image.

7) **Runs without a physical CD-ROM** : Because CD-ROM performance is emulated in the hard drive, there is no need to insert the CD-ROM in the CD-ROM drive.

8) **Multiple CD-ROM application programs can be run simultaneously:**

CDSpace can have up to 23 CD drives. Therefore, multiple CD-ROM applications are made possible. Try running several CD programs simultaneously with CDSpace.

9) **Compression** : CDSpace is loaded with a high-density compression engine to maximize your hard disk space.

10) **Rapid and convenient program execution** : Because the virtual CD-ROM drive is created in the hard drive, frequently accessed CD-ROMs can be played more swiftly.

11) **100% Compatibility** : CDSpace supports all types of CD-ROM application programs.

12) **Replaces CD Array devices** : CDSpace can completely replace costly CD Array devices.

13) **Supports audio CDs digitally** : CDSpace supports audio CDs as well as data CDs, offering functions that allow the user to select the sound level according to his or her preference or working environment.

14) **Supports photo CDs (including Kodak way), multi-session CDs, and most CD platforms, etc.**

15) Directly uses other famous recording program's image files and ISO file with CDSpace.

16) **Ensures compatibility (ISO <-> LCD).**

17) **Supports almost all locked CDs**

18) **Sets up the drive numbers & letters without restarting the system.** (Windows 2k,XP)

19) **"Auto insert notification" function** : CDSpace can execute the "auto insert notification" function without the need to set it up in the control panel.

20) **Inserts or ejects the image file directly Windows Explorer or My computer.**

21) **Inserts the image file using a shortcut key.**

22) **Supports the creation of image files from DVDs :**

- CDSpace can create and play image files from Data DVD and Video DVD.

- CDSpace can create and play image files without area code (Code Free)

\* To protect copyrights, we limited the creation feature to support some copy-protected Video DVD.

## 1-3. System requirements

### 23) Conveniently classifies image icons from original CD .

- If there are no specific icon for image files, you can use CDSpace's 5 different kinds of icon for your image.

(Game, Music, Data, Video, DVD)

\* System requirements for installing and using CDSpace 5 are as follows :

Operating system :

Windows Me,9x,XP,NT,2000,2003

CPU : Pentium 2 recommended

Memory : 64MB recommended

Hard Disk : Minimum 10MB installation space,  
Storage disk space for created virtual CD-ROM

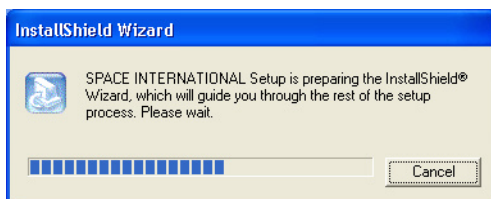
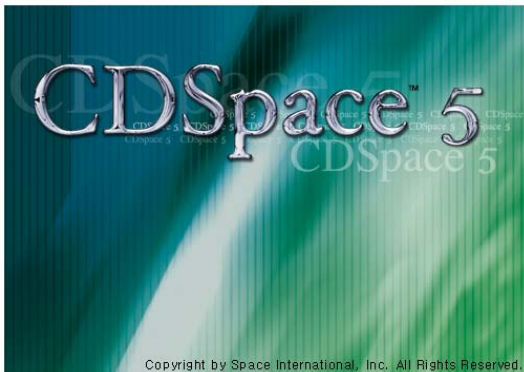
Others : CD-ROM Drive

## 2. Install & uninstall

### 2-1. Install CDspace 5

1. Run CDspace execution file or Insert CDspace CD-ROM into your CD drive.

2. After a few moments, the **Auto Run** will execute and an installation program window will pop up.



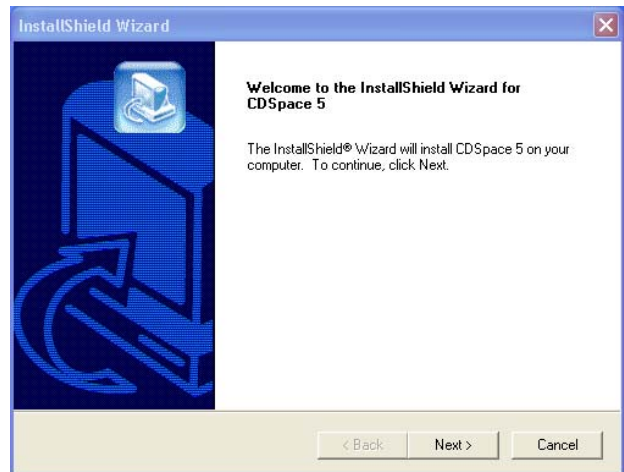
<Note> If nothing happens after a few minutes;

1) Select [Execute] from [Start] menu and after selecting **Open**, type the following command on the space provided:

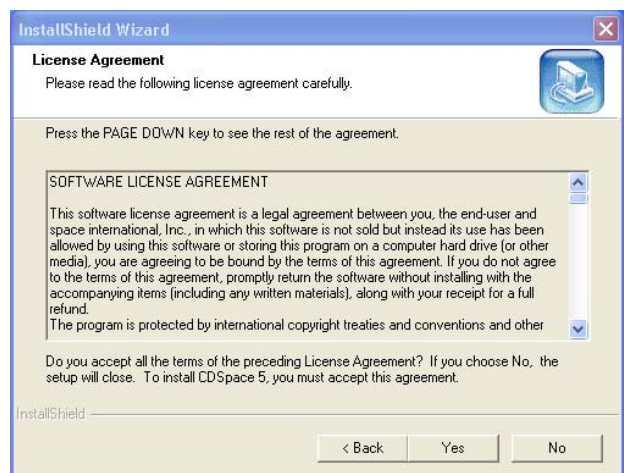
D:\Setup.exe (D is for CD-ROM drive)

2) When done, click **OK**

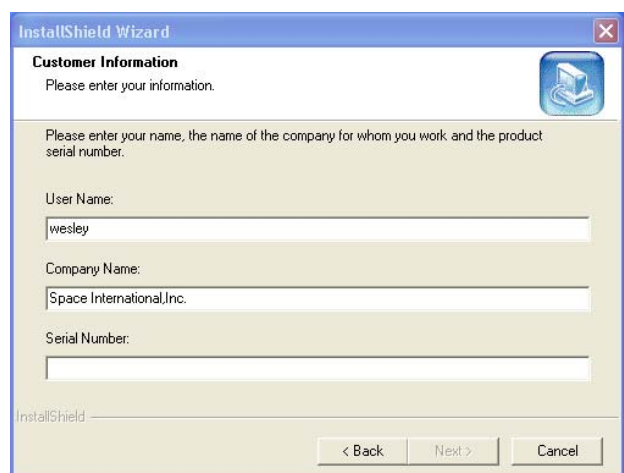
3. A window for installing CDspace will appear. Click **Next**.



4. On the Software License Agreement window that follows, read the terms of usage carefully. If you agree, click **Yes**.



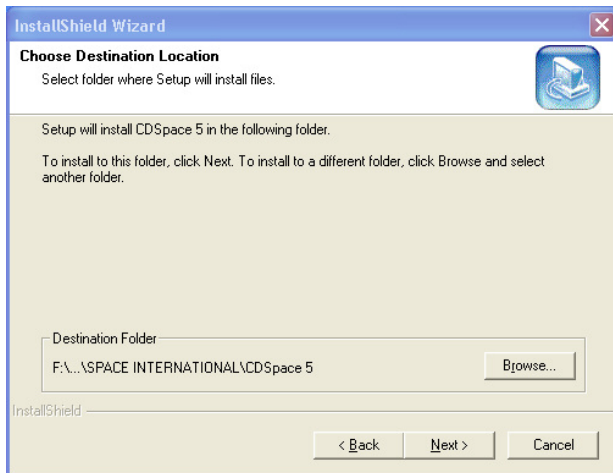
5. Input serial number of CDspace 5(Retail version only).





6. The program will install CDSpace on the target folder. To continue the installation, click **Next**.

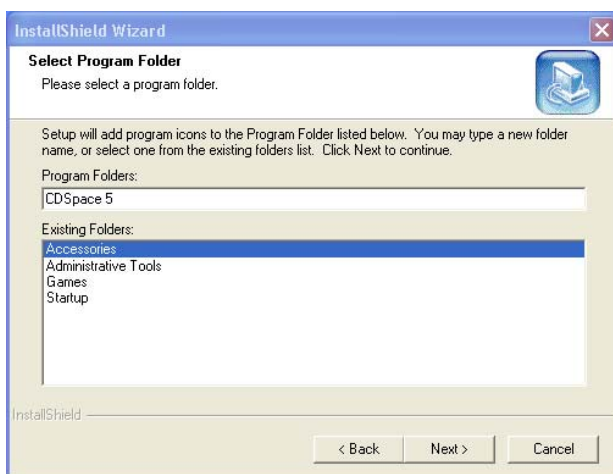
(If you wish to install to another folder, click **Search** and select the folder you want.)



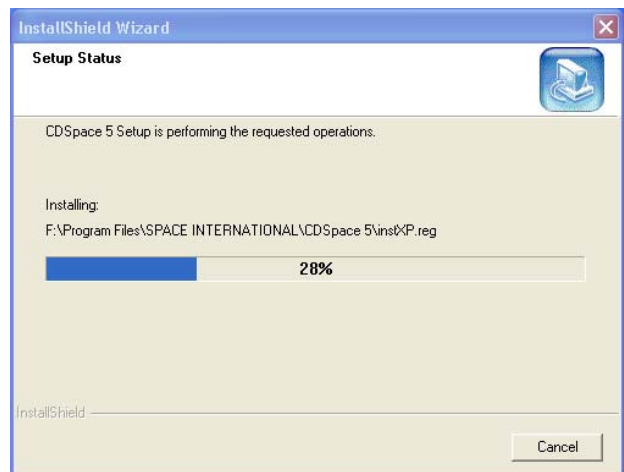
7. While you are continuing installation, program icons will be added to the **Program folder** seen below.

To continue, click **Next**

(You can create a new program folder name or select from an already existing one.)



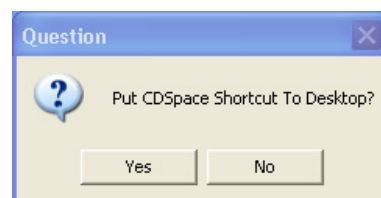
8. The CDSpace installation has been completed.



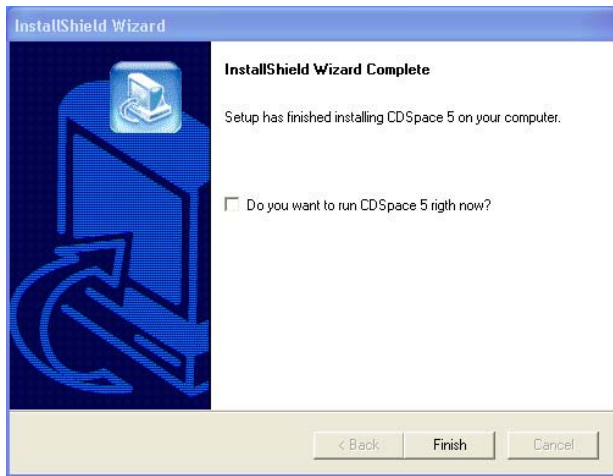
\* In case of Windows 2000/XP, below warning message might be displayed.



9. Put the CDSpace shortcut in Desktop.

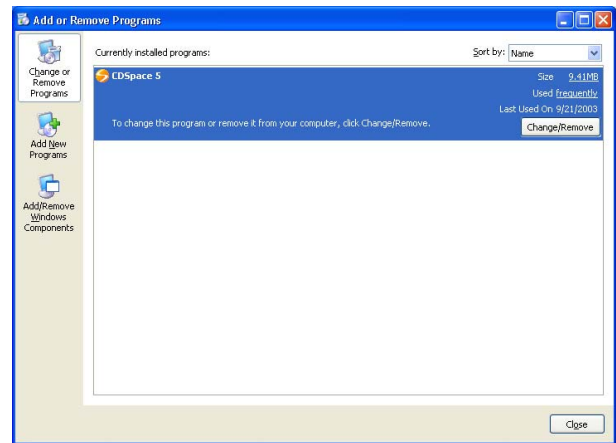


10. To run CDSpace, you must restart your computer with Win 9x OS. In the case of Windows 2000, You don't need to restart your computer.

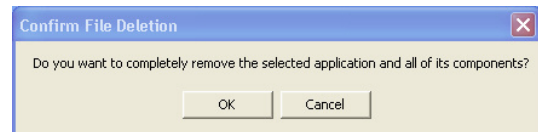


## 2-2. Uninstall CDSpace 5

1. Go to **Start -> Settings -> Programs Add/Delete**.



2. Choose whether you want to remove the selected application and all of its components or not.



3. To remove CDSpace completely from the system, you decide whether restart your computer or not.



**<Note>** The CDSpace uninstall program gets rid of all related program groups, icons, and registry information except LCD files. Therefore, you must manually find and remove the LCD files you have made.



### 3. Usage

#### 3-1. Create virtual CD-ROM (LCD file)

\* After installing CDSpace, the very first step in using a virtual CD-ROM drive is to create an LCD file.

\* To create a LCD file (virtual CD-ROM) :

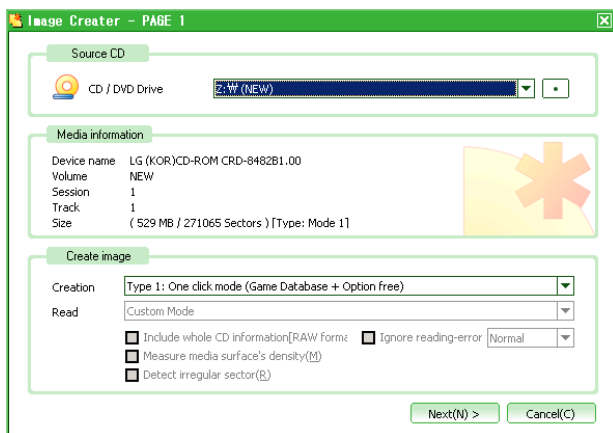
1. Insert a CD-ROM in the physical CD-ROM drive.
2. From the [Start] menu select [Program] -> [CDSpace 5] -> and play CDSpace or double-click the "CDSpace 5" icon from the program group.
3. On the program window, select [New Image]



from [File] menu or click " Create " from the toolbar.

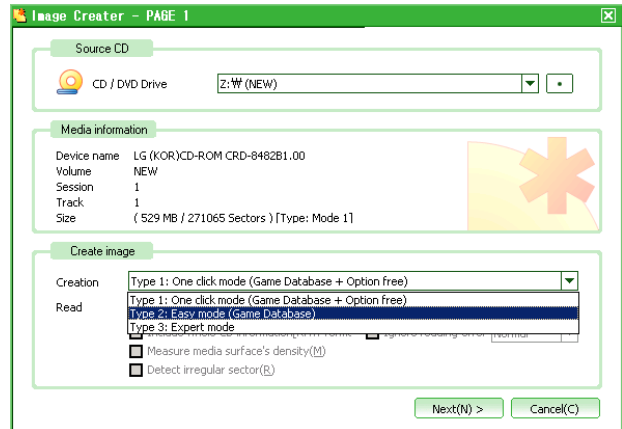
4. The following "Create image" window will appear.

5. Image creator - Page 1



① Source CD : Physical CD/DVD-ROM drive.

② Media info. : Detailed information of source CD.



#### ③ Image creation

[Creation method]

##### a.Type1: One click mode

(Database + Option free)

- The easiest way to create LCD image by one click. Search for the best option and information of source CD-ROM from database.

Image will be saved at

[My documents\CDSpace Image] folder.

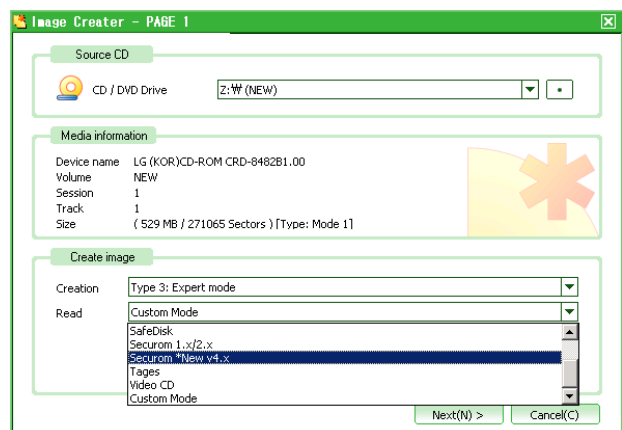
##### b.Type2: Easy mode (Database)

- User can select proper options for him/herself except setting information of source CD-ROM from database.

##### c.Type3: Expert mode

- Advanced mode for power user, user can select every option.

[Read method]



- Custom mode

a. Include whole CD information: Read CD's data by RAW (2352 Bytes) format.

b. Ignore the reading-error: to skip the glitch that causes the reading-error in certain CDs with bad sector or copy lock.

c. Measure media surface's density: gauge range among Data.

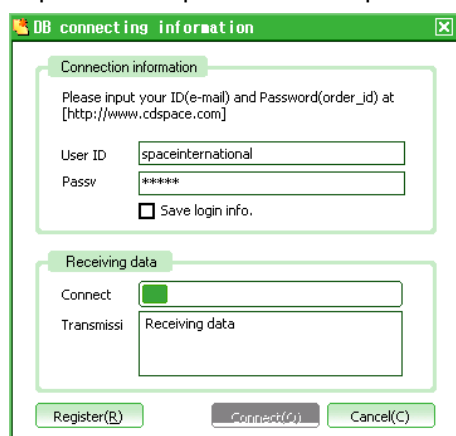
d. Detect irregular sector

## 6. Connect game database

\* If you select "Type1 or Type2" at page1, below windows will pop up to connect.

\* Customer registration at our website

<http://www.cdspace.com> is required.

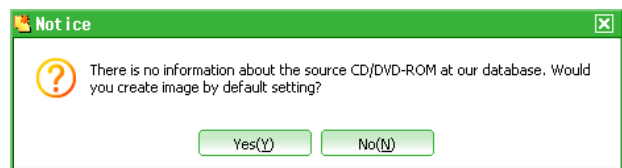


① ID: Input your ID at our website.

② Password: Input your password at our website.

③ Transmission status

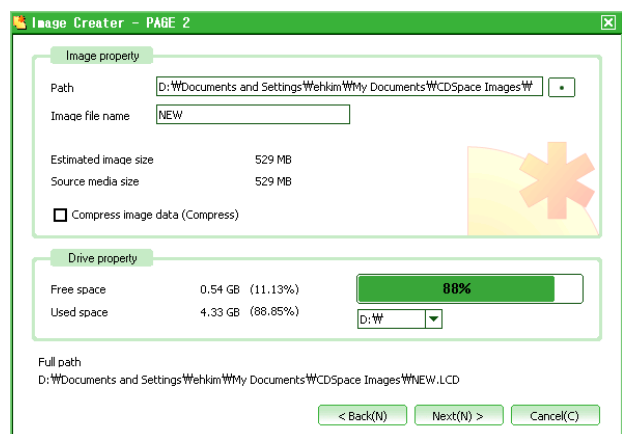
<Note> If you have below error messages while create an image file, you should select either using default setting or not. The "Include whole CD information" option is checked automatically with the default setting.



There is no information for the source CD/DVD-ROM.

## 7. Image creator - Page 2

\* If you select "Type3 or Type4" at page1, below windows will pop up.



① Path: The location where the image will be saved.

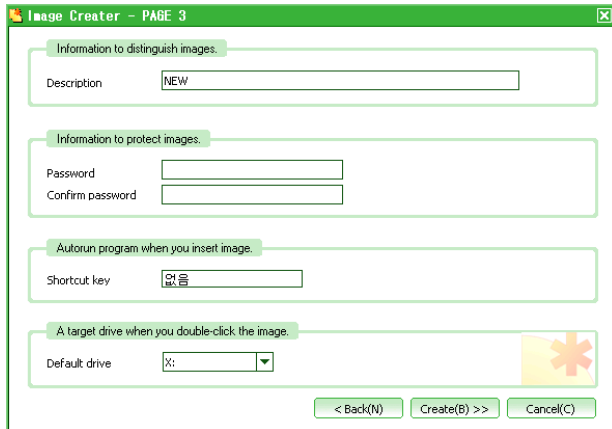
② Image file name: Write the name of the CD image file to be created.

③ Compression: Compressing the DATA track lessens the hard disk space. The CD contents differs the compression rate. (Compressed image might be running slowly than normal image.)

④ Drive information: Information of target hard disk drive to save and virtual CD/DVD-ROM drive to insert.

## 8. Image creator - Page 3

\* You can set image's description and other options at this page.



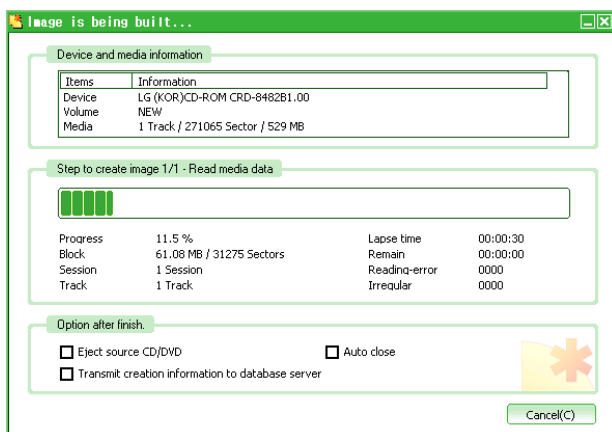
① **Description:** Write image's information

② **Password:** You can assign a password, if you need to protect the image. The password only protects the image from unauthorized access; the image itself is not encrypted.

③ **Shortcut key:** In order to insert the image file automatically, you must create a "**Shortcut key**" (refer to "3-2. Shortcut key")

④ **Default drive:** The target drive to insert created image file automatically when you double-click.

## 9. Image creator - Page 4



① **Information of source device and title.**

② **Information of creating LCD image.**

③ **Finish option:**

a. Eject original CD/DVD-ROM.

b. Transmit creation information to database server: You can transmit using options while create

the image file to reveal the cause of creation failure.

c. **Auto close:** Automatically close image creator when done.

## 3-2. Shortcut key

### \* To set up a shortcut key (or hot key):

Combining the keys such as **Alt** or **Ctrl** with characters or numeric keys, or using the **F1** through **F12** keys can create a shortcut key.

### \* The purpose of the shortcut key is to:

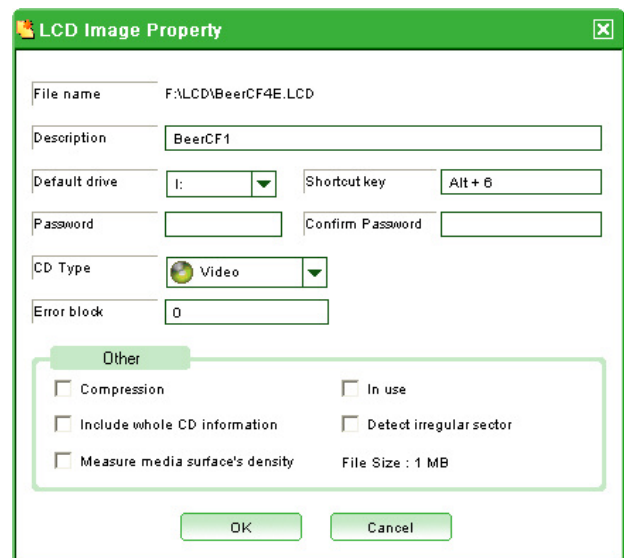
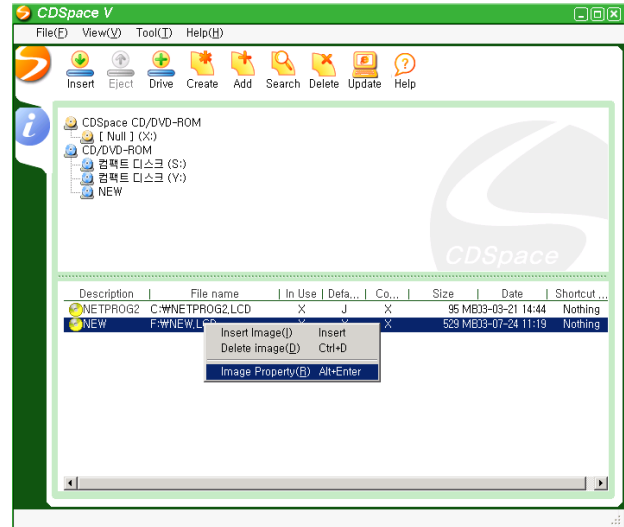
1. **Insert the image file** - With a shortcut key for the image file, you can insert the image file into the default drive.

2. **Play a game with several CDs** - Easily play a game with several CDs, whenever you need to insert the CD of that game without the need for go back to the main window of CDSpace and insert the image file.

### \* To change the registered shortcut key:

1) Right-click the image and open the **[Image properties]** to change the registered shortcut key in the CDSpace main window.

2) To register a new shortcut key, delete the old one with backspace (<-) and write the new one.

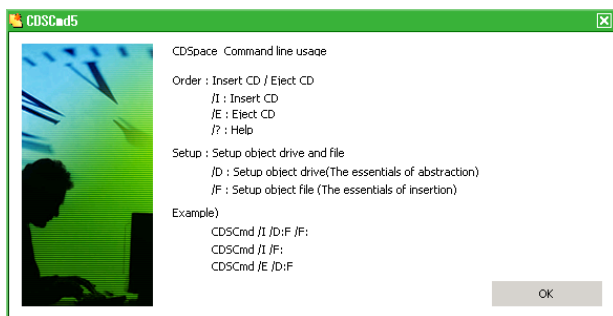


**<Note>** If you register the shortcut key with like "**Ctrl + C**" which is a pre-registered key in other programs, this will no longer work in that previous program once used in the CDSpace.

### 3-3. On Command Line

\* While working with batch file jobs, you can play CDSpace to insert or eject the LCD file, within the command line.

Put "**cdscmd**" where the CDSpace execution file exists, then the window below will pop up.



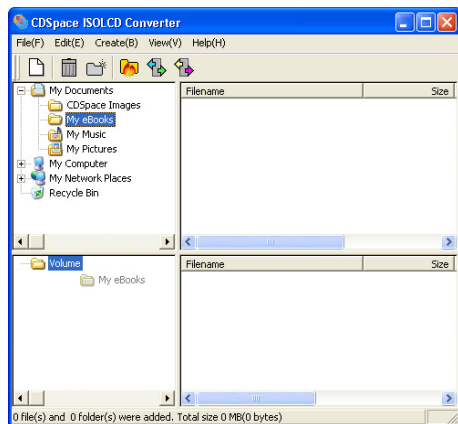
<Note> This function has three command languages: "Insert (/ I)", " Eject (/ E)", "Help (/ ?)". To eject a file, it is mandatory to set up the drive to be ejected, while in order to insert, you must set up the file to be inserted.

<Note> To insert the LCD file, this file must be included in the image lists of CDSpace.

### 3-4. Convert HDD folder/file<->ISO/LCD

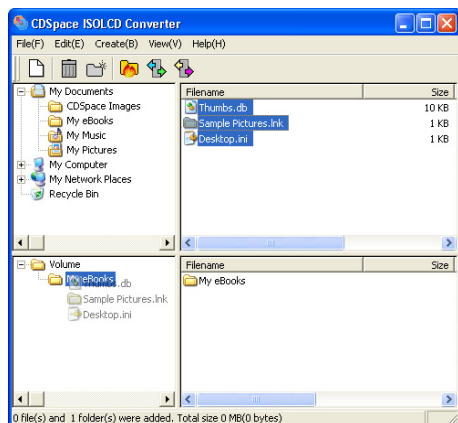
1. It converts a folder into standard ISO 9660 file type.

A. It configures a folder to create an image by drag & drop from higher to lower tree. Drag and Drop a folder from higher tree to lower tree and configure.

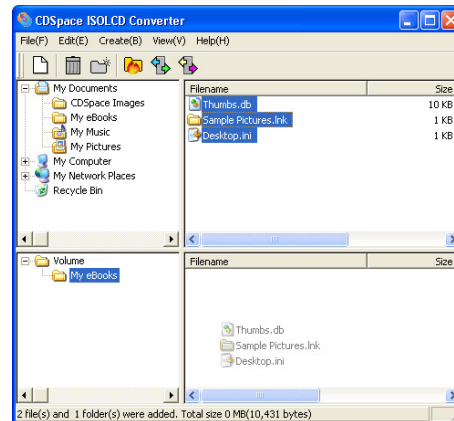


\* Otherwise, a file is added by drag and drop.

Example 1)



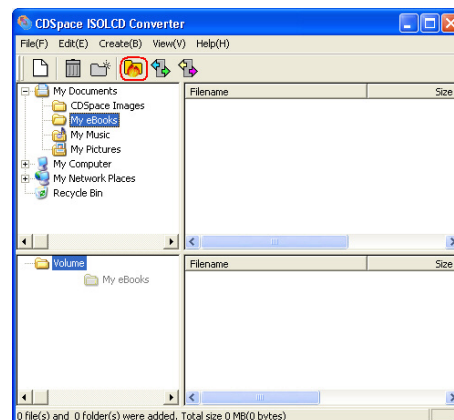
Example 2)



\* Warning : The following warning message of duplication will be shown, in case the same file does exist.

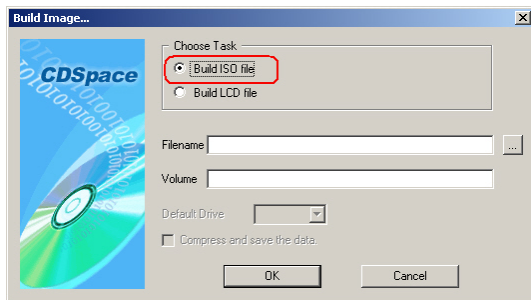


B. Create the image by pressing "LCD ISO file creation" in toolbar.

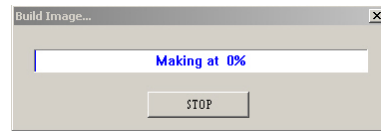


B - 1 - 1. Convert the configured folder into ISO format.

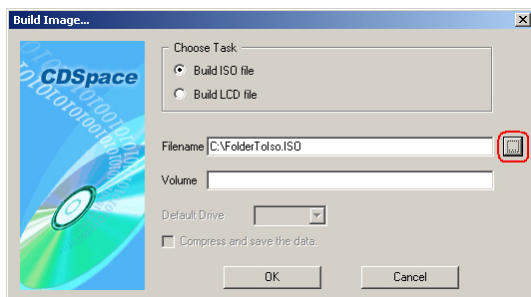




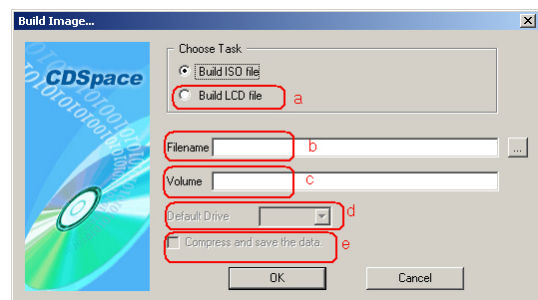
B - 1 - 4. Click OK button and start to create image.



B - 1 - 2. Enter file name by pressing right side button that is called as "select position button".



B - 2 - 1. Convert the configured folder into L CD format.



a. Select the "select work zone" to "create LCD file".

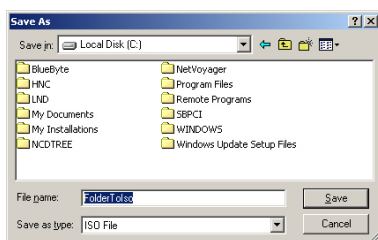
b. Enter the LCD path that will be created on the file name box or set the path by pressing "setup position button".

c. Enter volume name of LCD file in volume name box.

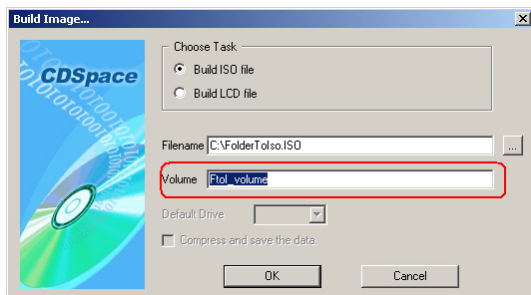
d. Set basic letter of virtual drive of LCD file.

e. Check the options in compression of data.

Finally, click OK button and create LCD file.



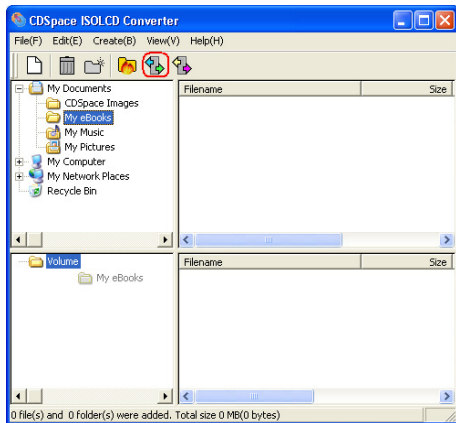
B - 1 - 3. Enter the file name and volume name.



2. Convert LCD file into ISO 9660 standard format file.

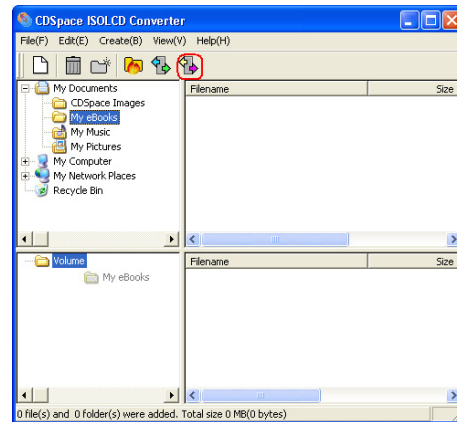
a. Select LCD ->ISO on toolbar.

(Tips : The above volume name you entered is shown when you insert ISO file to the virtual CD of CDSpace.)

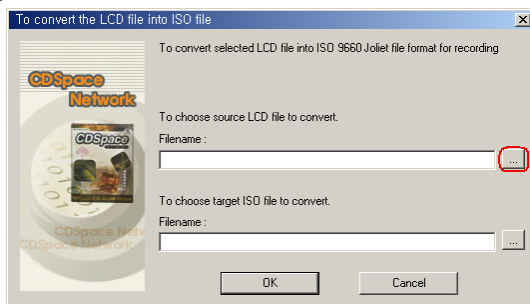


LCD file.

a. Select **ISO->LCD** on toolbar.

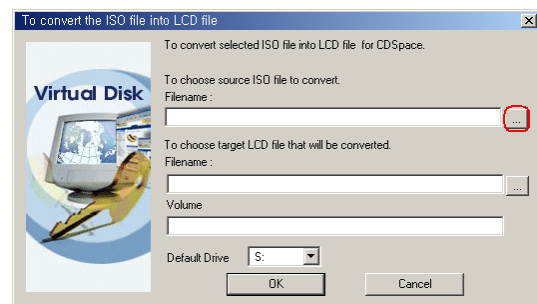
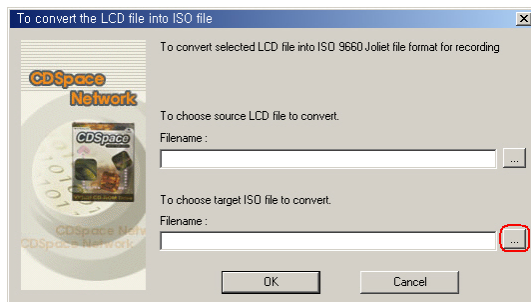


b. Click "setup position button" to select the original LCD file.



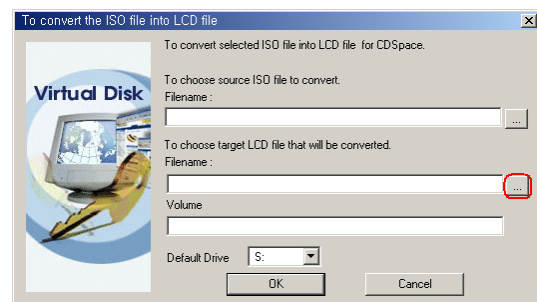
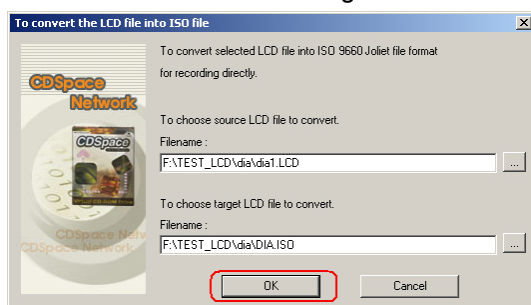
b. Write the file name directly or after selecting the source folder to create by clicking the right "..." button.

c. Enter the prospected location of ISO file or file name by pressing "..." button after selecting a folder.



c. Write the file name directly or after selecting the target folder to create by clicking the right "..." button.

d. Click 'OK' to convert image.



Click 'OK' if your input is correct.

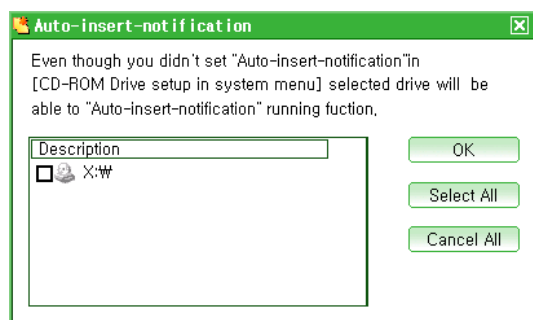
Then, the conversion is started from ISO to LCD, if you press stop button, the conversion will be stopped.

### 3. Convert ISO 9660 standard format file into

### 3-5. Auto-insert notification function

\* The function of "**Auto-insert notification**" can be set by the selected drive in the CDSpace without passing through [Control panel] - [System] - [Device] - [CD-ROM].

On the program window, select [Auto-insert notification] from [Tool] menu.



### 3-6. Insert the virtual CD-ROM

\* Now, to use the virtual CD-ROM drive, you must insert the created LCD file.

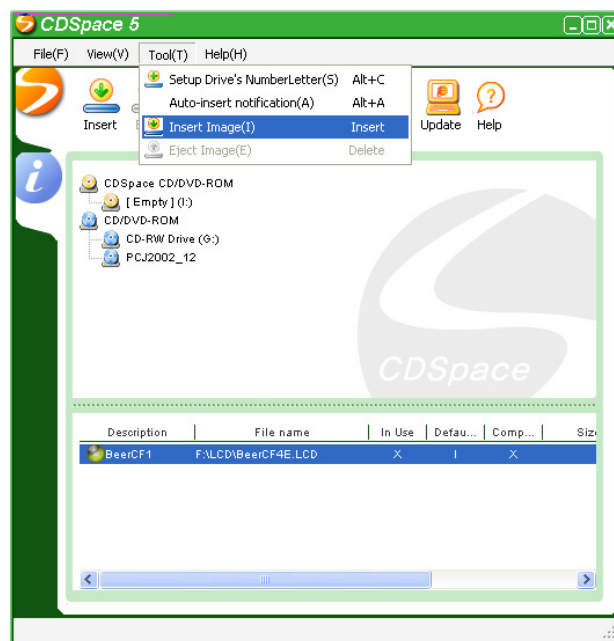
After creating the LCD file, you can easily insert this just by **dragging and dropping** the CD icon into the drive letter as seen on the window below.

Or

1. Select the drive you wish to insert the virtual CD to,
2. After **highlighting** the CD, click "**Insert**" on



the toolbar (Insert ), or select "**Insert CD**" from the [Tool] menu. Double-clicking the particular virtual CD-ROM icon will also insert it into the designated drive.




Now, you can use virtual CD-ROM(LCD file) from the virtual CD-ROM drive like a physical CD-ROM drive.

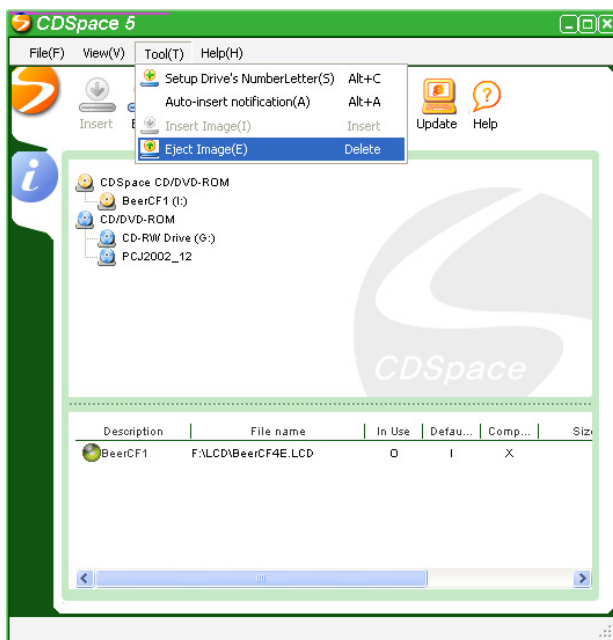
<Note> If the inserted CD-ROM has an auto-run program, it will run automatically upon insertion.

### 3-7. Eject the virtual CD-ROM

1. To eject the LCD file from the virtual CD-ROM drive, select the drive letter from the CDSpace application.



2. Click **"Eject"** (  ) from the toolbar or **"Eject CD"** from the [Tool] menu. Or you can also eject this virtual CD-ROM by double-clicking the drive letter.




### 3-8. Set No.&Letter of virtual CD-ROM drives

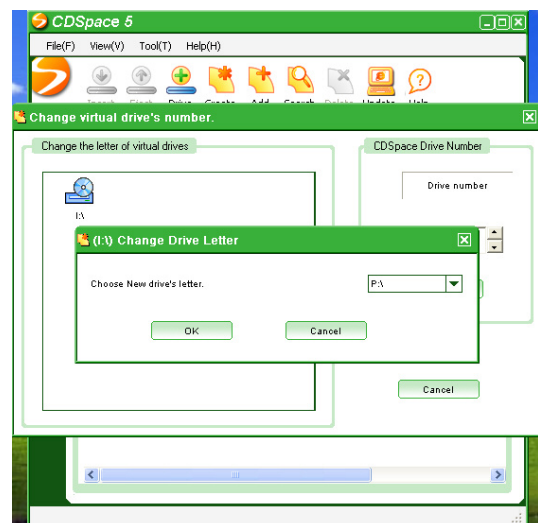
\* As soon as you install the program, CDSpace will create one **virtual CD-ROM drive** by default. However, CDSpace provides a function to configure additional drives (up to 23) and use multiple virtual CD-ROMs simultaneously.

**\* To set up additional drives:**

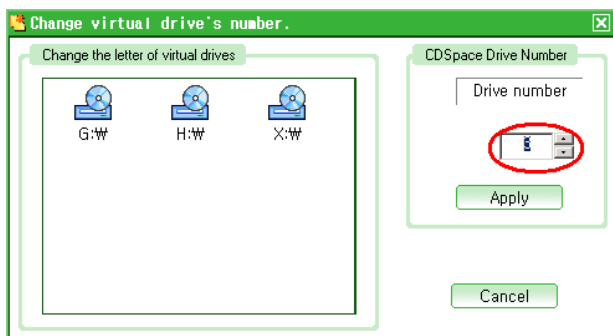


1. Either click **"Set up Drive Number"** (  ) from the toolbar, or select **"Set up Driver Number"** from the [Tool] menu.

2. The set up contents will be changed upon adjusting the drive number on the CDSpace program directly. Double click the drive that you want to change. Select the drive what you want to change.



3. After writing the number of virtual CD-ROM drives to be made, press the **"Apply"** button.



\* The picture above shows a case of 3 virtual CD-ROM drives in the system.

<Note1> You can not set up more drive letters than your system can actually use.

<Note2> The set up contents will be changed upon adjusting the drive number without restarting the system.

<Note3> You can reduce the number of virtual drives. The set up contents will be changed upon adjusting the drive number without restarting the system.

### 3-9. Delete the virtual CD-ROM

\* You can remove image file from a CDSpace.

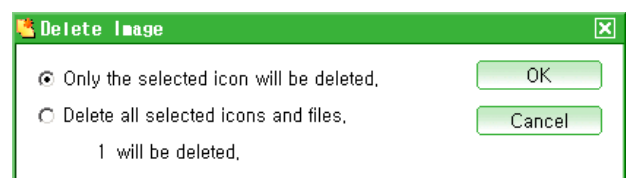
Use this feature by clicking **"Delete LCD"**



(Delete) from the toolbar, or selecting **"Delete Image"** from the **[File]** menu.

\* **To remove virtual CDs:**

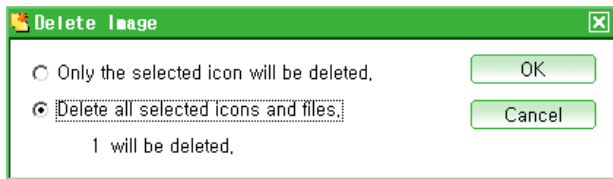
1. Select the LCD file to be removed from the CD list on the right window and **highlight** it.
2. Select **"Delete LCD"** button or select **Delete Image** from **[File]** menu.
3. After choosing the button that says **"Only the selected icons will be deleted"**, press the **OK** button.



<Note1> The CD is removed only in the LCD file area from the CDSpace main window. This LCD file still exists on the hard disk and therefore can be added to any time. (If the CD you are trying to remove is inserted in the computer, it will be ejected when its image is removed.)

<Note2> To remove the LCD file completely from the hard disk, follow the first two steps mentioned above. Then on the third step, after choosing the button that says **"Delete all selected icons and files"**, press the **OK** button. (The LCD file is permanently deleted from the hard disk. If you want

to use this CD again, you must rebuild it from the source CD-ROM.)



### 3-10. Add the virtual CD-ROM

\* If there is already a virtual CD-ROM file created in your hard drive, or to use a virtual CD stored in another computer or network, you can add them to the CDSpace.

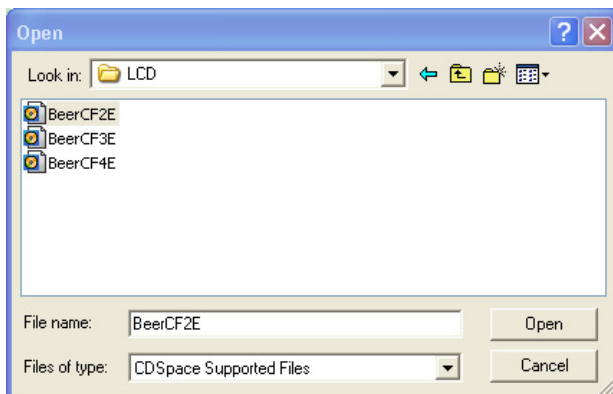
\* To add virtual CD :

1. **Basic** user Interface : Click "**Add LCD**"



( Add ) from the toolbar, or select "**Add Image**" from [File] menu.

2. On the "**Add LCD File**" dialog, input the file's path and name.

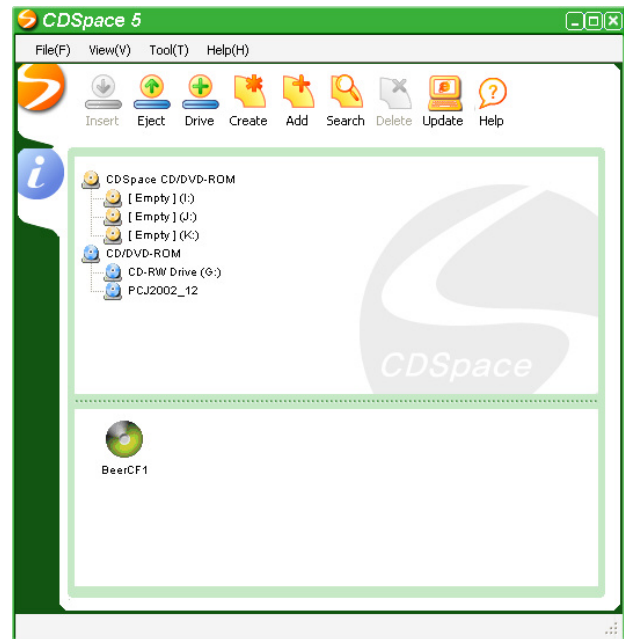


<Note> CDSpace files have the "**LCD**" extension.

### 3-11. Change a view screen

\* You can change view modes easily and with a great range of choices, by clicking functions in the [View] menu: "**Large icons**", "**Small icons**" and "**Details**" are available.

- Large icons



- Small icons



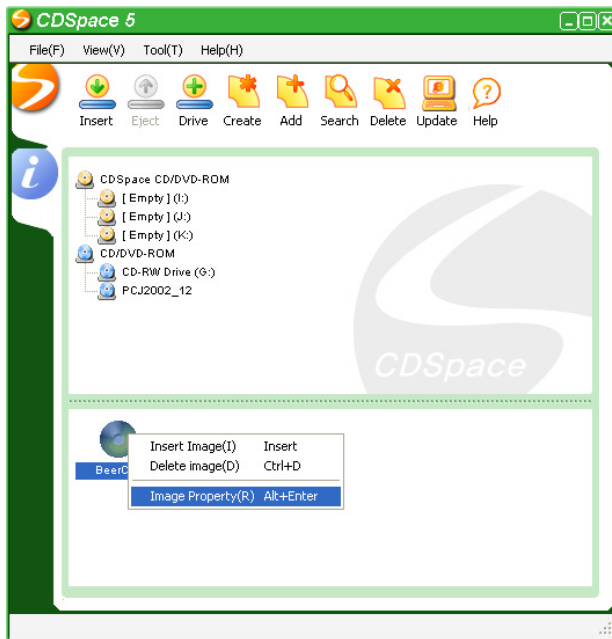


### 3-12. Container File Information

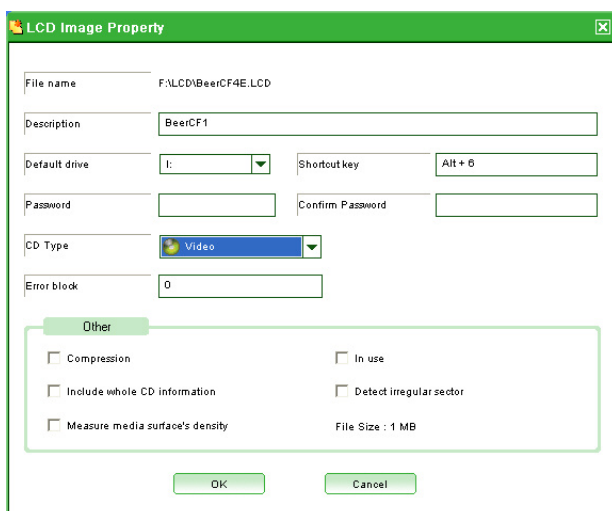
\* By right-clicking the mouse button on the desired image icon. You can view the LCD properties of the selected virtual CD-ROM.

\* If there are no specific icons for image files, you can use CDSpace's 4 kinds of icon for your image.

(Game, Music, Data, Video, DVD)



\* You can also change the record information shown on the screen below.



**<Note> "Compression", "In use" and "Include every CD information" cannot be changed.**

### 3-13. Find the virtual CD-ROM(LCD file)

\* CDSpace automatically finds the LCD file from the HDD Drive, Network Drive and CD-ROM Drive that are unused. Then you can add these files to CDSpace.

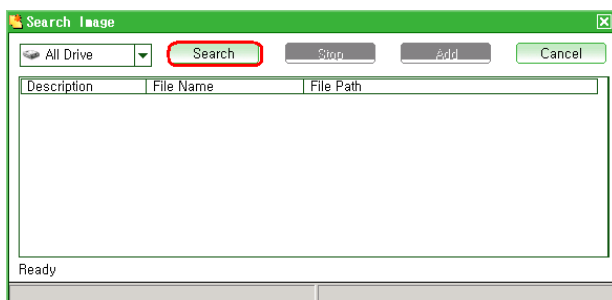
#### \* To find and add the LCD File :

1. On the program window, select the "**Search**

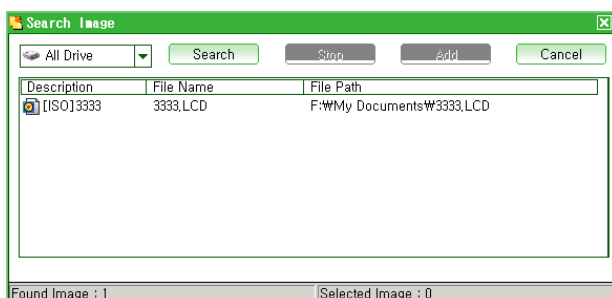


**h LCD files"** ( Search ) from the toolbar or [**Search**  
**h**] from the [**File**] menu.

2. Select the drive you wish to search. If you want to search all drives, select "**All Drives**" (originally set by default).



3. Choose files you want to add to the CDSpace from the list below. By pressing "**Add**" button, the selected files will be added to the CDSpace.

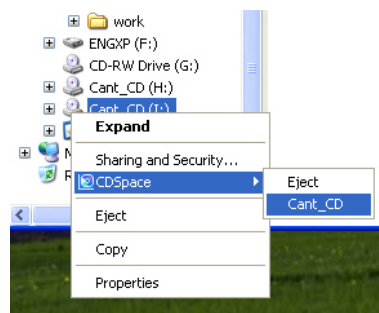


<Note> Pressing "**Close**" button will cancel the operation without adding any files and "**Find the LCD File**" will be ended.

### 3-14. Use the CDSpace in Windows Explorer

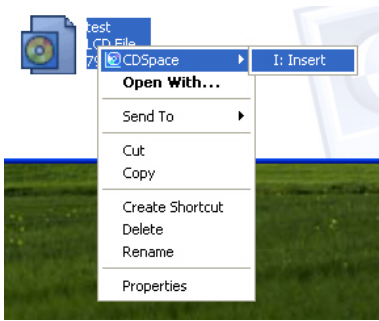
\* Without opening the CDSpace window, you can insert or eject the image in "**Explorer**", "**My computer**" or "**Trayicon**".

1. **To insert the image into the drive#1:** Right-click the virtual drive letter on the left window of the explorer, open "CDSpace", and select the image you want.



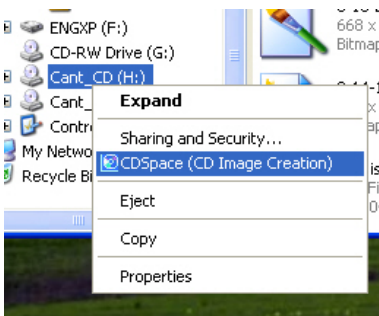
<Note1> The picture above shows the explorer inserts the "FIFA2001" image into the "G" drive.

2. **To insert the image into the drive#2 :** Right-click the image file on the right window of the Explorer, open "CDSpace", and select the drive letter you want.



<Note2> The picture above shows the Explorer inserting "mafchwarrior.LCD" file into "I" drive.

3. CDSpace can create LCD file in Windows Explorer when you click the right button of your mouse,



<Note3> About image creation, refer to usage 3-1.

## FAQ

### **Q . Got error message as "Can't install SPACE ~ SCSI CdRomDevice"**

Please follow below step.

1. Remove CDSpace first.
2. Check your system have "Space~" at SCSI Controller of Device management.
3. Reboot.
4.  
*Windows 9x,Me* : Go to our download site and install ASPI device driver then install CDSpace again after rebooting.  
*Windows 2000,XP* : Go to "System Properties -> Device Manager -> Driver Signing" and check "Ignore" or "Warn" not "Block", then install CDSpace again.

### **Q. I got a problem to uninstall CDSpace (Fail to remove virtual CD-ROM. Remove the device manually.)**

1. Execute "Device Manager" and remove "Space Int'l SCSI Host Adapter" at SCSI Adapter.
2. Run "Regedit.exe" and open "HKEY\_LOCAL\_MACHINE-> Software-> Microsoft -> Windows -> current version -> Uninstall".
3. Remove {9B99BC62-1446-4CB0-8608-693BF1CE55D0} subfolder.
4. Restart your system.
5. Reinstall CDSpace.

### **Q. I got an error message as "Can't connect to Server" when I make image.**

Please check your internet connection first. If you can't connect to internet now, you can only use "Type3: **Expert** mode".

### **Q . I can not make an image file from DVD-ROM.**

You can create image file from almost any DVD-ROM except CSS copy-locked DVD-ROM. We limited the creation feature to support some copy-locked Video DVD-ROM.

### **Q. I got an error message of "Insert original CD..."**

Please try to install the title from created image first. If the title would not be executed properly with original CD-ROM titles after uninstalling CDSpace, the problem is not related with CDSpace. Please check other installed programs just before and after the problem happened.

### **Q. I got an error message of "Critical error... file name : APIX(01) + 0000269D error : OE : 0028 : C14854ED Press any key to continue" after installation CDSpace and reboot system.**

Most recording programs change all ASPI-related files into their own format. And when the user deletes the recording programs and the ASPI files are not recovered properly, this problem will occur.

\* Reinstall the deleted recording programs or rebuild the ASPI driver provided by its manufacturer.

**Q. When I increase or decrease the number of virtual CD-ROM, and the system gets stuck under Windows 9x.**

This problem is also related with ASPI device manager. Please update ASPI driver at our website(<http://www.cdspace.com>).

**Q. While making a virtual CD, a message Dialog saying "Source CD is corrupted " pops up and the CD image-creation is aborted.**

"Source CD is corrupted" message appears when the source CD has defects due to scratches or due to frequent use, or in other cases, a portion becomes copy-locked and data can not be read from a physical CD-ROM drive. If scratches or particles are the culprits, clean them off the source CD and try again.

**Q. When I insert the image file, CDSpace recognizes it as an audio CD.**

(1) If some other programs change the CDFS.Vxd CDTSD.VxD CDVSD.VxD file in the C:\windows\system\iosubsys folder, this would happen. Please overwrite the file that Windows originally offered and reboot the system to insert the image file.

(2) If the method above doesn't work, the image was probably created wrong. So try to create the image file with another CD-ROM drive.

**Q. To insert the image into the last drive letter in**

**a virtual CD-ROM, I get an error message to insert the proper CD, and the game CD won't start.**

Some game CDs can't be played in oddly assigned drive letters. Please add one more drive to make it even.

**Q. The size of an image turns out to be larger than that of the original CD.**

In order to support all types of CDs including locked CD/video CD/audio CD, CDSpace would sometimes create a larger image from the original CD for better quality.

**Q. I'm using a main board with VIA chip. The image-building in the system with CDSpace lasts too long. Worse, whenever I insert the image into CDSpace to play game CDs, the system stops.**

You have to modify "VIA 4in1" driver through changing vatapi.vxd file into vatapi.bak at C:\windows\system\iosubsys folder, then reboot system.

**Q. error saying "more than two CDSpace SCSI Adapters"**

1. On the control panel, press system.
2. Select device manager from the system window.
3. Check and Delete "SPACE DVD-ROM KR-30A SCSI CdRom Device" if it still exist on your computer though you uninstalled CDSpace.
4. Reinstall CDSpace