

# **RECORDNOW MAX 4.0 USER'S GUIDE**

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# **INTRODUCTION**

Thank you for choosing Stomp RecordNow MAX! RecordNow MAX is a simple-to-use yet powerful CD/DVD creation application that easily performs all your CD/DVD burning needs including:

- Perfect Disc-to-Disc Copies
- Burning Music CDs that will play in your car or home CD player from MP3, WAV, WMA, tracks from other CDs, or live recording through your sound card
- Burning Data CD-ROM and DVD-ROMs for sharing large files
- Video CDs & DVDs from your authored video files
- Mixed Mode, CD Extra, and Bootable CDs
- Unlimited MP3 ripping (96 ~ 320Kb/sec bit rates)
- Simultaneous recording using up to 64 CD burners or 16 DVD burners at once
- Clone CDs to hard disk for later copying
- Drive Letter Access (DLA) software for formatting CD-R/RW, DVD-RAM, and DVD+RW discs like big floppy discs for drag and drop recording of files and folders.
- And much more.

This manual will assist you in the installation of the RecordNow MAX software. There is also online help within the RecordNow MAX software.

# **NEW FEATURES IN VERSION 4.0**

RecordNow MAX version 4.0 is better than ever! Here's what's new:

- Fresh new interface! The RecordNow MAX Full Application has a bold new interface that's even easier to use and more flexible.
- Enhanced MP3 ripping! Now rip at up to 320Kb/sec bitrates.
- Launcher for DVD Video Authoring! If you have DVD Authoring software installed in your system from MedioStream or Cyberlink, a "DVD Video" button will appear on the Full Application's toolbar for easy one-button launching of your DVD Video Authoring software.
- Enhanced Bootable CD support! RecordNow MAX can now create bootable CDs from floppy boot images, or a boot image on your hard drive.
- Section 508 compliant! Access for persons with disabilities

# SYSTEM REQUIREMENTS

- 200MHz Pentium or faster (or equivalent) processor
- 32MB of RAM
- 25MB of available hard disk space for software installation. Up to 5GB hard disk space required for mastering DVD discs.
- Supported CD/DVD recorder (for a current list please visit www.stompinc.com/support)
- Blank CD/DVD Recordable media
- Microsoft Windows 95, 98 SE, Windows 2000 Professional, Windows Millennium, Windows NT 4.0 service pack 4 or higher, Windows XP
- Internet access strongly recommended

# STOMP'S TECHNICAL SUPPORT POLICY

Stomp provides unlimited telephone technical support for 30 days without charge. The 30 day no charge support period begins from the first time you call our technical support department. After the 30 day no charge period has expired, telephone support is available for a nominal charge of \$20 per incident (not per call). Web based support is available without charge and is unlimited for the life of the product.

# **GETTING TECHNICAL SUPPORT**

Stomp is committed to customer satisfaction. If you encounter problems installing or using any of the applications in RecordNow MAX, please do the following:

- Check the trouble-shooting section in this manual.
- Visit <u>www.stompinc.com/support</u>. You can view FAQ's, check for updates, and view the device support list, download manuals, and more.
- If you would like to contact Stomp via telephone, please call 949-515-5299 Monday ~ Friday 8AM ~ 5PM PST. Please be at the computer where the software is installed when you call.
- If you would like to receive on-line support, please visit <u>www.stompinc.com/support</u> and click on the "Support Request Form". Once you submit this form, you will be contacted by Stomp via email within 2 business days.

# **INSTALLING RECORDNOW MAX**

- Insert the RecordNow MAX CD-ROM into any available CD/DVD drive.
- If Autorun is enabled on your system, the RecordNow MAX browser will automatically launch.

Should the installer fail to load, double click on **My Computer** in Windows. Double click on the icon of the drive that has the RecordNow MAX CD inside. Double click on the **Setup.exe** icon to manually launch the RecordNow MAX browser.

• Select RecordNow MAX and then click on the "Install Now" button to begin installation.

**Note:** When installing neoDVDstandard, you will need the CD key. It is printed on the envelope the RecordNow MAX CD-ROM came in

# Getting Started With The RecordNow MAX Wizard

Now that you have successfully installed Stomp RecordNow MAX software, you are ready to begin burning CDs and DVDs. When you launch the Stomp RecordNow MAX software, you will be presented with the RecordNow MAX Wizard. This is the simplest way to perform the most commonly used CD/DVD burning tasks such as making and exact copy of a CD or DVD, making a music CD from MP3/WAV/WA files/CD tracks, or making a data CD-ROM/DVD-ROM.

🔮 Stomp R	ecordNow MAX Wizard	×
🕖 Welcome	to RecordNow MAX Wizard	Help Powered by
		VERITAS
	Make an Exact Copy Make an exact copy of a disc in your collection.	
	Make a <u>Music Disc</u> Create a music disc for playing in your PC or home stereo.	
	Make a <u>D</u> ata Disc Create a disc to store your personal files.	
G	Return to Stomp RecordNow MAX	

If you are an advanced user and would prefer to use the full application, click on the **Return to Stomp RecordNow MAX** button and this will launch the full application.

#### Making an Exact Copy of a CD/DVD with the RecordNow MAX Wizard

**TIP:** Generally, it is not possible to copy commercial DVD movies as most of them employ CSS (Content Scramble System) copy protection. DVD Video discs that you create yourself using neoDVDstandard can be copied freely as they do not have any copy protection. Additionally, many commercial DVD movies are **larger** than blank DVD-R/RW/DVD+RW discs because they are double layer DVD9 discs. The bonus materials on a DVD movie are generally the reason for the large disc.

The Exact Copy feature makes a bit-for-bit identical duplicate of your original CD or DVD.

- Launch Stomp RecordNow MAX Wizard
- Click Make an Exact Copy. The wizard will automatically open your CD/DVD drive tray
- Insert the disc you are copying into the recorder's tray and close the drive
- Click on **Next**. The software will begin reading the disc.



Note: In a system where you have only a single CD/DVD drive, you must wait until the software has completed copying the data from the original disc to a temporary area on the hard drive. When it has completed this task, the tray will open and prompt you to remove the original disc, replacing it with a blank recordable disc.

Insert a blank disc into your CD/DVD recorder and click Next



- RecordNow MAX will make an exact copy of your disc and inform you when the process is complete.
- If you wish to only make one copy click on **Done**. If you wish to make another duplicate copy click on **Make Another** and you will be prompted to insert another blank disc into the CD-Recordable drive.

#### Making a Music CD Compilation with RecordNow MAX Wizard

RecordNow Wizard easily creates custom music CDs or MP3 CDs from your music collection on your hard disk drive or your CD collection. To make a music CD from the Stomp RecordNow MAX Wizard click on **Make a Music Disc**. You

will then be presented with a new screen with the following options:

- Make a Music Disc from Audio Files
- Make a Music Disc from other CDs
- Make a Disc for an MP3 Player

🔮 Stomp R	ecordNow MAX Wizard	×
		Help Powered by VERITAS
-	Make a Music Disc from Audio <u>Files</u> Create a music disc from MP3 or WAV files on your hard drive.	
<b>~</b>	Make a Music Disc from other <u>C</u> Ds Create a new music disc from tracks taken off your music disc collection.	
	Make a Disc for an <u>M</u> P3 Player Create a disc specifically for MP3 players.	
e	Return to Main Menu	

#### Making a Music Disc from Audio Files

This Option allows you to take the audio files stored on your hard drive and burn them on to CD

To make a music CD from audio files:

- Launch the Stomp RecordNow MAX Wizard
- Click on Make a Music Disc
- Click on **Make a Music Disc from Audio Files**. The RecordNow Wizard automatically opens your CD/DVD recorder's tray.
- Insert a blank disc into the tray and click Next
- Stomp RecordNow MAX Wizard will present you with an option to automatically scan your hard drive for music files. Click **Yes** if you would like Stomp RecordNow MAX to find all your audio files. You may also scan for music by clicking the **Scan for Music** button that appears at the top of the leftmost window. To be sure a music track is the one you want, you can click on a file on the left side of the window and click the speaker icon to play the file.

Make a Music Disc - Step 2 of 3         Music on System:       Time Available: 52:46         Name       Length         Name       Length         Jung at h 4:04       MP         Jung at h 4:04       MP       Mexican R 4:10       MP         Mexican R 4:10       MP       Mexican R 4:10       MP         Anna.mp3       4:35       MP       Mexican R 4:10         Demolition 5:57       MP       Mexican R 4:35       MP         Sweet Ho 7:51       MP       MP       Mexican R 4:10		d by				
Name       Length         Mame       Length       Type         Jung at h       4:04       MP         Mexican R       4:10       MP         Anna.mp3       4:35       MP         Demolition       5:57       MP         Renegade       4:35       MP         Sweet Ho       7:51       MP         Track 6.mp3       5:16       MP	N. N					
Please insert a blank disc         into your recorder.         Name       Length         Jung at h       4:04         Mexican R       4:10         Mexican R       4:10         Mana.mp3       4:35         Momelition       5:57         Menegade       4:35         Mexican R       4:35         Momelition       5:57         Mexican R       4:35         Mexican R       4:35         Mexican R       4:35         Momelition       5:57         Momelition       5:57         Mexican R       4:35         Momelition       5:57         Momelition       7:51         Momelition       4	c on System: 🔗 Time Available: 52:46					
Into your recorder.       Name       Length       Type         Jung at h       4:04       MP         Mexican R       4:10       MP         AM Radio       3:56       MP         Anna.mp3       4:35       MP         Demolition       5:57       MP         Sweet Ho       7:51       MP         Track 6.mp3       5:16       MP	/iew 🕄 Scan for Music Name Length	Path				
Image: Second arrange your tracks.       Image: Second arrange your tracks.         Image: Second arrange your tracks.       Image: Second arrange your tracks.	Length Type	c:\D				
Choose and arrange your tracks.       Mexican R 4:10       MP       MP         AM Radio 3:56       MP       Mexican R 4:10         Anna.mp3       4:35       MP         Demolition 5:57       MP         Sweet Ho 7:51       MP         Track 6.mp3       5:16		c:\D				
Choose and arrange your tracks.       AM Radio 3:56       MP       Mexican R 4:10         Anna.mp3       4:35       MP         Demolition 5:57       MP         Renegade 4:35       MP         Sweet Ho 7:51       MP         Track 6.mp3       5:16         MP       Image: Comparison of the system		c:\D				
Choose and arrange your tracks.   Demolition 5:57 MP Renegade 4:35 MP Sweet Ho 7:51 MP Track 6.mp3 5:16 MP		c:\D				
Choose and arrange your tracks. Demolition 5:57 MP,. Renegade 4:35 MP Sweet Ho 7:51 MP Track 6.mp3 5:16 MP I Track 6.mp3 5:16 MP	ia.mp3 4:35 MP., が Anna 4:35	c:\D				
Sweet Ho 7:51 MP     Track 6.mp3 5:16 MP▼     I	nolition 5:57 MP 🔊 Sweet Ho 7:51	c:\D				
Track 6.mp3 5:16 MP V	iegade 4:35 MP					
	et Ho 7:51 MP					
Add 🙉 Browse 🌵 🗙 Remove	d 🔯 Browse 🌾 🔨 🗙 🗙 Remove 🔥					
Create your disc.	Click Next when you are ready to create your disc					
CICK NEXT WHEN YOU are ready to create your usc	Click Next when you are ready to create your disc					

• Select the tracks you want to add to your music CD as follows:

You can add a track from the leftmost window "Music on System" to the layout, by highlighting the track and then clicking **Add**. You can also click and drag a track to the layout.

You can remove any track from the right hand pane by highlighting the track and clicking the **Remove** button.

You can arrange the order of the tracks on the play list either by:

- Highlighting the track you want to move and clicking on the green up or down arrows - Dragging the files to the desired position within the play list.

You can re-name the tracks on the play list by selecting the track and then single clicking twice on the name. Type in the new name you desire and press **Enter** 

- Click Next to begin recording your tracks. When Stomp RecordNow MAX has completed
  recording it will automatically eject the CD.
  If you wish to make another copy of your favorite compilation insert a blank CD into the
  recorder and click Make Another.
- Click **Done** when you are finished recording.

#### Making a Music CD from other CDs

This option allows you to make a compilation CD from your collection of music CDs

To make a music CD from other CDs:

- Launch the Stomp RecordNow MAX Wizard
- Click on Make a Music Disc
- Click on **Make a Music Disc from other CDs**. The RecordNow Wizard automatically opens your CD-Recordable drive
- Insert a music CD into the CD-ROM/DVD-ROM drive and press Next

Stomp RecordNow I	MAX Wizard				
Create a new Music I	Disc			Help	VERITA
lake a Music Disc - Step 2 of 4					
	Music CD Tracks:			🌮 Time Availab	le: 58:01
	Track	Length		Name	Length
Please insert a Music CD into your recorder.	ர@ Track 1	3:55		ரூ 💿 CD #1, Tr	a 3:21
	🔊 Track 2	3:14		ர 🖲 CD #1, Tr	a 4:37
	n 💿 Track 3	3:41		ர 🙆 CD #2, Tr	a 3:56
	ரில் Track 4	3:28		ர(ම) CD #2, Tr	a 4:00
Choose and arrange your	n 🗑 Track 5	3:56			
tracks.	ர 🙆 Track 6	2:55	_		
	ர@ Track 7	4:17			
	ர Track 8	4:00			
Please insert a blank disc into	n () Track 9	5:33	<b>•</b>		
	•				
	Add 🎸	)		4	🗙 Remove 📄 🐥 🕐
Currente una Music Direc	C	lick Next CD t	o add tra	icks from ano	ther CD.
Create your Music Disc.	< Back	Next <u>C</u> D		<u>F</u> inish	Cancel

 Select the tracks you want to add to your music CD as follows: You can add a track from the leftmost window titled "Music CD Tracks" to the layout by highlighting the track and then clicking Add. You can also click and drag a track to the layout.

You can remove any track from the right hand window by highlighting the track and clicking the **Remove** button.

You can arrange the order of the tracks on the play list either by:

Highlighting the track you want to move and clicking on the green up or down arrowsDragging the files to the desired position within the play list.

You can re-name the tracks on the play list by selecting the track and then single clicking twice on the name. Type in the new name you desire and press **Enter**.

- Click **Next CD** to add tracks from another CD. RecordNow Wizard prepares your tracks and then prompts you to insert another CD. This process may take a few minutes.
- Insert the next CD you wish to copy tracks from and repeat the process for adding tracks.
- Click the Finish button when you have completed making your compilation CD.
- Insert a blank CD into the recorder's tray and click Next. RecordNow Wizard records your tracks to the blank CD.
   If you would like to make another copy of your music compilation, remove the newly recorded CD from the recorder's tray and insert another blank CD disc, then click Make
- Click **Done** when you have finished recording.

Another.

#### Making a Disc for an MP3 Player

This option allows you to make a CD of MP3s that will be playable in CD players that support playing MP3 files on CD. MP3s are compressed files and you can fit almost 10 times as many songs on a single CD. This MP3 CD will not be playable on standard CD players, only those CD players that support playing of MP3 CDs.

To make an MP3 disc:

- Launch the Stomp RecordNow MAX Wizard
- Click on Make a Music Disc
- Click on **Make a Disc for an MP3 Player**. The RecordNow Wizard automatically opens your CD-Recordable drive
- Insert a blank disk into your CD-Recorder and click Next
- Click Scan for Music to scan your hard drive for valid MP3 files

Oranto o nous MD2	Dies	-	Powered	d by
Create a new MP3	DISC		Help VERIT	FA:
lake a disc for MP3 player:	s - Step 2 of 3			
	😑 Music on System:	🌮 Space I	Remaining on Disc: 659 MB	
Please insert a blank disc	🔍 View 🕄 Scan for M	usic Name	Size	
into your recorder.	Name Length	Type 🔺 🖻 Extrao	rdinary.mp3 8.4 MB	
	Mexican R 4:10	MP	it heart.mp3 5.6 MB	
	AM Radio 3:56		adio.mp3 5.4 MB	
	Anna.mp3 4:35		an Radio.mp3 5.7 MB	
	Demolition 5:57	MP. 🗗 Track	6.mp3 7.2 MB	
Choose and arrange	Renegade 4:35	MP 🗖 🖃 Sweet	Home Chic 10.8 MB	
your tracks.	Sweet Ho 7:51	MP		
	🔄 Track 6.mp3 5:16	MP		
	🖪 Track 7.mp3 4:20	MP		
	1			
	Add 🔯 Browse		🗙 Remove 🔵 🔥	4
Create your disc.	Click Next w	hen you are ready to cr		
	< Back Next :		Cancel	

• Select the tracks you want to add to your music CD as follows:

You can add a track from the leftmost window titled "Music on System" to the layout by highlighting the track and then clicking **Add**. You can also click and drag a file to the layout.

You can remove any track from the right hand pane by highlighting the track and clicking the **Remove** button.

You can arrange the order of the tracks on the play list either by:

- Highlighting the track you want to move and clicking on the green up or down arrows - dragging the files to the desired position within the play list.

You can re-name the tracks on the play list by selecting the track and then single clicking twice on the name. Type in the new name you desire and press **Enter.** 

- Click Next to begin recording your tracks.
   If you would like to make another copy of your music compilation, remove the newly recorded CD from the recorder's tray and insert another blank CD disc, then click Make Another.
- Click **Done** when you have finished recording.

#### Making a Data Disc with the RecordNow Wizard

You can create a data CD-ROM/DVD-ROM disc that can be read on any standard PC running a Windows operating system. Long file names (up to 110 characters) will be preserved.

To make a data disc:

- Launch the Stomp RecordNow MAX Wizard.
- Click on Make a Data Disc. The RecordNow Wizard automatically opens your CD/DVD recorder's tray.
- Insert a blank disc into your recorder and click Next.
- Select the files you wish to copy to CD/DVD using one of the following methods:
   Click Add Files and Folders. Navigate Desktop to find the file or folder you wish to copy. Highlight the folder and click the Add button.

Stomp RecordNov	v MAX Wizard		×
🕕 Create a new Data	Disc	<u>H</u> elp	Powered by
Make a Data Disc - Step 2 of 3			VERITAS
	Space Remaining on Disc: 228 MB		
Please insert a blank or	Name	Size	Туре
Please insert a blank or appendable disc into your recorder.	Bob's CD My Music My Pictures	285.6 MB 188.2 MB	File Folder File Folder
Choose your files.			
		-	
	Add Files and Folders		× Beureane
Create your disc,	Click Next when you	are ready to create y	rour disc
	< gack <u>N</u> ext >	l.	Cancel

- Drag and drop files or folders directly from Windows Explorer to the RecordNow Wizard screen.

You can remove files of folders by highlighting the file or folder and clicking the **Remove** button.

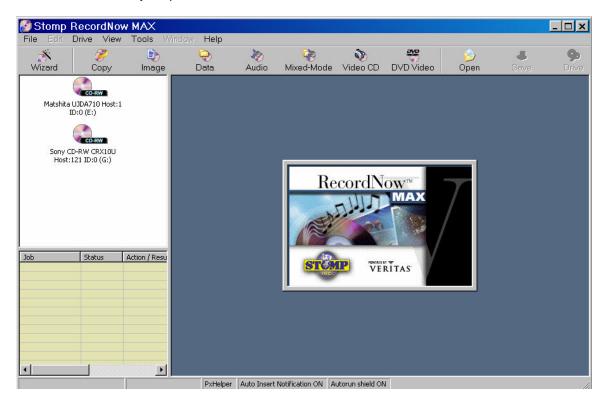
- You can name your disc by single clicking once on the **Volume Label** text in the main window.
- Once you have completed selecting files, click **Next** and the recording process will begin. If you would like to make another copy of your data CD/DVD, remove the newly recorded disc from the recorder's tray and insert another blank disc, then click **Make Another**.
- Click **Done** when you have finished recording.

# Using The RecordNow MAX Full Application

The RecordNow MAX Full Application gives you full control over CD/DVD projects that you create. Here you can create advanced format discs such as Video CD, Mixed Mode, and CD Extra discs. In the full application you have access to WarpDrive, which allows up to 64 CD recorders or up to 16 DVD recorders to be used simultaneously. Also in the full application you'll find a host of tools to help you get the most out of your CD/DVD recorder.

#### **Exploring the Full Application**

To enter the RecordNow MAX Full Application, simply click the **Return To RecordNow MAX** button on the bottom of the RecordNow MAX Wizard. At first, the full application window looks a little empty, but that is because there is no job open yet. The screen is broken down into 3 sections: **Drive Status Window, Job Setup Window**, and **Job Status Window**. All 3 windows can be re-sized to fit your preferences.



**Drive Status Window** - The Drive Status Window lists all of the drives attached to the system. The standard display in the Drive Status Window is a list of the drives available for reading and recording with a small icon to the left of the drive description and drive status displayed next to the drive title. Selecting **Drive Large Icons** from the **View** menu changes the display to large icons. The large icons provide a less cluttered display but do not display drive status during operations. Selecting **Drive Details** reverts to the standard drive list. Columns can be repositioned and re-sized in the drive details display by the drag and drop of column headings and sliding of column dividers.

During various operations, a message is displayed in the standard display status column indicating what is happening to each drive (loading, unloading, ejecting, recording, testing, reading, etc). In addition, **right-clicking** on the drive icon will open a control panel that allows the drive to be loaded and unloaded, its tray opened/closed, etc. This panel can be used as an alternate access to the Disc Explorer to analyze a recorded disc that has been loaded into the drive, and to select a drive as a recorder (or reader) assigned to a job.

Job Set Up Window - The Job Setup Window is the space where the Job Setup Panel for each job is displayed. Job Setup Panels are opened by clicking on the appropriate "**new**" job type from the **File** pull-down menu or by clicking on a job type from the toolbar. Each time a new job is opened, a new panel appears in the Job Setup Window. Up to 64 job panels may be opened in Windows NT, 2000, or XP and up to 16 using Windows 98. These panels may be resized, and can be relocated by clicking on the panel's title bar and dragging. The physical arrangement of the panels in the Job Setup Window can be selected from the **Window** menu. The title bar of each Job Setup Panel contains the job number and job title. When the job panel is first opened, the job assigned a job number and an interim title which has the form "<JOB TYPE> UNTITLEDn", where n is the number of the job that has been newly opened since starting the program. (The value of n keeps incrementing even if some earlier jobs are deleted.) Do not confuse the arbitrary number n (used to make the titles distinct) with the job number (used to identify jobs in the Job Status Panel). If jobs are deleted, any new jobs are assigned job numbers made available by the deleted jobs.

Individual Job Setup Panels may be saved - click on the job (bring to front and highlight), then select **File: Save Job**; if the job has not already been saved (or loaded from a previously saved job), a dialog box will open allowing entry of a file name and path under which the Job Setup Panel will be saved. (If the job was previously saved, File: Save Job... will replace the job file without dialog.) If the job has already been saved and you wish to save it under a different name, select File: Save Job As (Re-name)...; the job saving dialog box will open allowing a new file name to be specified.

When a job panel is saved, the file name will become the new job title and will be displayed in the title bar of the Job Setup Panel. A previously saved job may be loaded into the Job Setup Window by selecting **File: Open Job**; a dialog box will open from which stored job files may be selected.

#### Tool bar

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Wizard	Сору	Image	Data	Audio	Mixed-Mode	Video CD	DVD Video	Open	Save	Drive

The RecordNow MAX Full Application Tool Bar is the same for each type of job opened. Here are the functions on the tool bar, their names will appear as you mouse over a button: **RecordNow MAX Wizard** - Clicking this button will return you to the RecordNow MAX Wizard **New Disc to Disc Copy** - This button will open a new Disc-to-Disc copy job **New Global Image or Other Image** – This button will open a Global Image or ISO

Image recording job (you must already have the image file built)

**New Data Disc** – Opens a new data CD-ROM job

New Audio Disc – Opens a new audio CD job

**New Mixed Mode or CD Extra Disc** – Opens a new Mixed Mode or CD Extra job **New Video CD** - Opens a new Video CD job

**DVD Video** – Launches your installed DVD Video Authoring application from MedioStream or Cyberlink

Open – Opens a saved job

Save – Saves an open job

Drive - Opens the Disc Explorer & Drive Properties utility

**Pull Down Menus** – The following Pull Down Menus are standard in the RecordNow MAX Full Application. Some menu items have keyboard shortcuts.

#### File

-			
	RecordNow MAX Wizard		
	New Job		۲
	Open	Ctrl+O	
	Save	Ctrl+S	
	Save As		
	Load Workspace		۲
	Save Workspace		۲
	Move Up		
	Move Down		
	Record	F6	
	Pause	F7	
	Stop	Ctrl+F7	
	Recent Jobs		Þ
	Exit		

RecordNow MAX Wizard – Launches the RecordNow MAX Wizard New Job – Starts a new job of the selected type Open - Opens a saved job (Ctrl+O) Save - Saves an open job (Ctrl+S) Save As - Saves an open job under a different name Load Workspace – Load a saved customized workspace Save Workspace – Save a customized workspace Record – Starts Recording the active job (F6) Pause – Pauses the active recording job (F7) Stop - Stops the active Recording job (Ctrl+F7) Recent Jobs –Lists recent jobs Exit – Exits RecordNow MAX

#### Edit

Paste	Ctrl+V
Add Audio Track Add with File Finder Add Track from CD	
Move Up	-
Move Down	+
Remove	
Remove All	
Pre-gap and ISRC,	
Play	
Recording Options CD Text Information	
Refresh	F5

**Note:** Edit pull down menu is not active unless a job is opened, and the below options are not available for every job.

Paste – Pastes files that were cut or copied elsewhere (Ctrl+V) Add Audio Track – Add audio file into the Job Set Up screen Add With File Finder – Adds file using the file finder feature Add Track From CD – Adds an audio track from another CD Move Up – Moves a selected file up in the list (-) Move Down Moves a selected file down in the list (+) Remove – Removes a selected file from the list
Remove All – Removes all the files from the list
Pre-gap and ISRC – Edits silence gap between audio tracks and adds ISRC code to selected audio track (track must be selected first)
Play – Launches Media Player or other application to play Selected audio file
Recording Options - Edit the recording options for the job
CD Text Information View & edit CD Text information Audio disc job
Refresh – Refreshes the display (F5)

#### Drive

Disc Explorer and Drive Properties. Build Global-Image Extract Track(s)	F4
Show	•
Open Tray (Eject) Close Tray	
Erase Rewritable Disc	×
Select/Deselect as Reader Select/Deselect as Recorder	Shift+F8 <b>F8</b>

**Note:** A Drive must be selected (highlighted) in the Drive Status Window for this menu to be active.

#### **Disc Explorer & Drive Properties** – Launches the Disc

```
Explorer & Drive Properties for the selected drive (F4)

Build Global-Image – Builds a Global-Image file from a CD

Extrack Track(s) – Extracts (rips) CD tracks into MP3 or WAVE file

Show – Shows contents or properties of a selected disc

Open Tray/Eject – Opens the tray/ejects the disc in the

Selected drive

Close Tray – Closes the tray on the selected drive. Has no

Function if the drive uses Caddy loading system

Erase ReWritable Disc – Erases a CD-RW Disc (Quick or Full)

In the selected drive

Select/Deselect as Reader – Selects or deselects the selected

Drive as a reader (source drive for CD copy) (Shift+F8)

Select/Deselect as Recorder – Selects or deselects the selected

Drive as the recorder for a job (F8)
```

#### View

🗸 Toolbar
🗸 Status Bar
Drive Details
Reversed Drive Order
✓ Show Job List Panel
Show Log

Toolbar - If checked, displays the toolbar

Status Bar - If checked, displays the Job Status Bar

Drive Large Icons – If checked, displays Drive Large Icons (toggles between Drive Large Icons and Drive Details)

Drive Details – if checked, displays small drive icons, more Details

**Reversed Drives Order** – Reverses the order of the drives in the Drive Status Window

**Show Job List Panel** – If checked, shows the Job List Panel **Show Log** – Displays the job activity log

#### Tools

Re-Scan Buses	
Global-Image Check/Add Post-gap.	•
Web Browser Launch	•
DJ-Burn	
Tile with Explorer Untile	Ctrl+F9 Shift+F9
Options	F3

**Re- Scan Buses** – Re-scans ATAPI, SCSI, USB, and FireWire buses to detect newly connected device

- Global Image Info. For information about a selected Global Image file, Finder for searching your system for Global Image files
- Web Browser Launches your web browser to connect to the Internet
- Launch Launches the following applications: Windows Explorer (Shift+F5), Windows CD Player (Shift+F6), And Windows Media Player (Shift+F7)

Tile with Explorer – Tiles the Job Setup Window on the upper Half of the screen and the Windows Explorer on the lower Half (Ctrl+F9)

Un-tile – Removes the tile with Windows Explorer (Shift+F9) Options – Set up RecordNow MAX options (F3)

#### Window

Cascade Tile Horizontally Tile Vertically Arrange Icons Close All 1 Job 1 - Data Job Untitled1 2 Job 2 - Audio Job Untitled2 \*

**Cascade** - Multiple job windows will be in cascade order **Tile Horizontally** - Multiple job windows will be arranged Horizontally

**Tile Vertically** - Multiple job windows will be arranged Vertically

Arrange lcons – Cleans up the icon arrangement Close All – Closes all open jobs

Note: Any open jobs will be listed at the bottom of the Window pull down menu

#### Help

Index Disc Representation Color Legend	F1
Gracenote CDDB Music Info Technical Support on the Web Product Updates via the Web	

About...

Index – Launches the HTML help index (F1)

**Disc Representation Color Legend** – Displays the color coding of various CD & DVD disc types

Gracenote/CDDB – Connects to the Gracenote/CDDB Music Identification service Technical Support on the Web – Connects to Stomp's support site on the Internet Product Udates via the Web – Connects and searches for product updates on the Internet About - Lists important information about RecordNow MAX

Including version and build information

# Making a Disc-to-Disc Copy

🛃 Stomp RecordNow MAX	( - [Job 1 - Dis	c-to-Disc (	Copy Untitle	d1 *]				- 🗆 ×
🔗 File Edit Drive View To	ools Window H	elp						_ 뭔 ×
	b 😔 age Data	📎 Audio	🦃 Mixed-Mode	🔊 Video CD	😤 DVD Video	Dpen	😃 Save	∽ Drive
Matshita UJDA710 Host:1 ID:0 (E:) Corry CD-RW CRX10U Host:121 ID:0 (G:)	Make a tem Reading Note Discs can con	Host:1 ID:0 (E:)	- Matshita UJDA710 the hard disk firstj			Verify every round	T	
Job Status Action / 1	Resu		Notification ON		-			

Using the disc-to-disc copy function in the RecordNow MAX Full Application accomplishes the same basic feat as using the Wizard, but with a few more options. In the full application you have access to Warp Drive which allows the copy job to be made with up to 64 CD recorders or up to

16 DVD recorders simultaneously. In addition, you can perform a bit-for-bit "verify" of a disc(s) after it has been created to ensure its been faithfully copied. You can also specify the number of copies to make of the disc. If you select more than one and you're not using Warp Drive, when the first disc is created, RecordNow MAX will ask you to insert another blank disc until all the copies have been made.

**Tip**: If you think you'll have need to copy the same CD/DVD in the future, you may want to build a Global image of the disc. This function preserves the original CD/DVD in an image file, complete with disc geometry, for later duplication. To build a Global Image of a disc, **right click** on the icon of the drive that has the disc you'd like to make a Global Image of and select **Build Global-Image** from the menu.

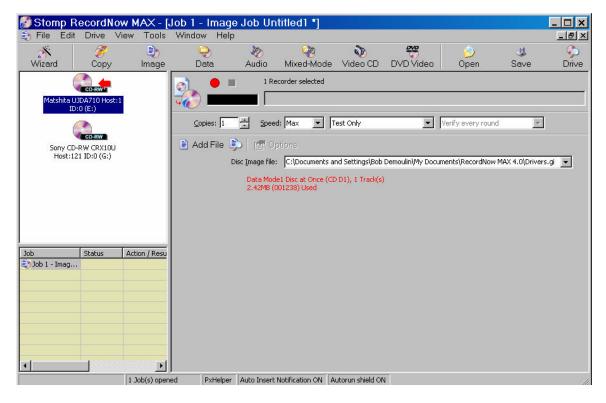
- From the Tool Bar, click the New Disc to Disc Copy button, or from the File pull-down menu select New Job -> Disc to Disc Copy. From your keyboard you can also type Shift+F1 to start a new copy job
- Your CD/DVD recorder should automatically be set as a Recorder (Red arrow pointing to it) and your CD-ROM/DVD-ROM drive should be set as a Reader (blue arrow pointing away from it). Right click on a drive icon and use the **Select/Deselect buttons** if needed to change Reader or Recorder to the proper drive if you have more than 1 Reader and Recorder
- Place the source disc to be copied into the Reader
- Place a blank disc to be recorder into the Recorder
- Set the number of **copies** you would like to make of the disc, and set the recording speed (default is **MAX**)
- You can choose to Test & Record (default), or Test Only, Record, Test/Record/Verify, Record & Verify, or Verify Only.
- Click the red record button to start the copy

If you have only a CD or DVD burner in your system, the drive can be selected as both the reader and recorder. In this case, the source CD or DVD must first be read to the hard disk, and then ReocordNow MAX will eject the disc and prompt you to insert a blank recordable disc for burning.

🛃 Stomp I	Record	low MAX - [	Job 1 - Disc-t	o-Disc (	Copy Untitle	d2 *]				_ 🗆 🗙
ខ File Edi	: Drive	View Tools	Window Help							_ 8 ×
Mizard	🌮 Copy	lmage	Data	🧞 Audio	🤯 Mixed-Mode	📎 Video CD	TVD Video	) Open	🎿 Save	Orive
Matshita UJI ID:0	A710 Host: 1 (E:)	Action / Resu	₩ Make a tempora Reading spe	ary image on t ed: Max	- Matshita UJDA711 the hard disk first			Verify every round	<u>*</u>	
		1 Job(s) open	l ied PxHelper	Auto Insert	Notification ON A	utorun shield ON	Ī			

**Note:** Warp Drive can be engaged to record up to 64 copies at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as Recorders.

# **Creating a Disc From Global Image or Other Image File**



Global Images are a way to preserve a CD/DVD that you want to copy in the future. While many programs can "save" a disc into an image file, they usually only copy the data. Global Images capture not only the data but the disc geometry as well. In this way, an "exact copy" of the disc is saved. To learn how to build a Global Image of a CD or DVD, please see **Building Global Images** 

- From the Tool Bar, click the New Global-Image or Other Image button, or from the File pulldown menu select New Job -> New Global-Image or Other Image. From your keyboard you can also type Shift+F2 to start a new Global Image job
- Your CD/DVD Recorder should automatically be selected as a Recorder (red arrow pointing to it). To change drives, right-click on the desired drive icon and click on **Select/de-select as Recorder**. You'll need to right click on the other drive and do the same to de-select it.
- Use the **Select Image File** button to select the image file you want to record to disc, or use the handy **Select Image File With File Finder** button to scan your system for Global Image files.
- Select the number of copies you'd like to make from the selected image file
- Select the Speed for the recording (default is MAX.)
- You can choose to Test & Record (default), or Test Only, Record, Test/Record/Verify, Record & Verify, or Verify Only

• Insert a blank disc into the Recorder and press the red record button

**Note:** Warp Drive can be engaged to record up to 4 image copies at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as Recorders.

#### 🐉 Stomp RecordNow MAX - [Job 2 - Data Job Untitled2 \*] - 🗆 X File Edit Drive Tools Window Help \_ 8 × View DYD N. P )Q 3 H Wizard Audio Mixed-Mode Video CD DVD Video Drive Сору Image Data Open Save 10 1 Recorder selected latshita UJDA710 Host: 46 ID:0 (E:) Copies: 1 🗧 Speed: Max Record and Verify Verify every round • . 1 Volume label: MyCD Multisession: Load last track • Sony CD-RW CRX10U Host:121 ID:0 (G:) 📬 Add Files and Folders 🛛 🗙 🔚 🗌 P Options Folder or File as on Disc Source Size on Disc Folders Files 📄 \My Music\\*.\* C:\Documents and Settings\Bob Demoulin\... 285.63MB 27 1 \My Pictures\\*.\* C:\Documents and Settings\Bob Demoulin\... 188.24MB 19 419 📄 \My Videos\\*.\* C:\Documents and Settings\Bob Demoulin\... 2 6 19.68MB Status Action / Resu Job 🖏 Job 1 - Imag.. 🚽 Job 2 - Data ... 寻 Job 3 - Data ... 3 Object(s) - 22 Folder(s) 452 File(s) - Total Size on Disc: 494.03MB • 4 PxHelper Auto Insert Notification ON Autorun shield ON 3 Job(s) opened

# Creating a Data CD-ROM or DVD-ROM

RecordNow MAX gives you tremendous flexibility to create data CD-ROMs and DVD-ROMs. CD-ROM/DVD-ROMs can be very simple or very complex, depending on what you are trying to do. Many of the options RecordNow MAX offers won't apply for all projects, but all the tools are explained just in case. RecordNow MAX can also create a Bootable CD-ROM from a floppy boot image file or other bootable image on your hard drive.

The file system used by Windows 95 and beyond is called "Joliet" and can handle file names up to 110 characters. Prior to Windows 95, most CD-ROMs used a file system called ISO9660. ISO9660 had limitations about how many characters a file name could contain, up to 8 characters followed by a 3 character extension (8+3) just like DOS. The advantage was that ISO9660 discs were "cross platform" meaning Apple Macintosh and PC computers could read the disc. RecordNow MAX defaults to the Joliet file system, but it can be changed in the **Data Job Options** screen (click the **Options** button in the data CD job window).

RecordNow MAX can create Single or Multi-Session discs. Single Session means that the disc is recorded to just one time and then "closed" for further recording. Multi-Session discs on the other hand can be added to until the disc is full, and is the default for RecordNow MAX. By default, the "**load last track**" option is selected in the Job Set Up Window, which means the CD-ROM is

"appended" so that all the sessions that have bee recorded are seen as one logical disc by Windows. When you view or explore a multi-session CD-ROM that has been appended, you'll see all the files and folders that have been added to the disc. It is possible to make a multisession disc where each session is a "**New Volume**" meaning only the data recorded in the most recent session will be viewable because the sessions are not appended together.

 From the Tool Bar, click the New Data Disc button, or from the File pull-down menu select New Job -> New Data Disc. From your keyboard you can also type Shift+F3 to start a new data CD job

Setting	Data	CD Job	<b>Options</b>
---------	------	--------	----------------

Data Job Options		×
Pre-mastering <u>C</u> ache: Cache files smalle	r than 16KB	ОК
File Date and Time: Original File Date	and Time 📃	Cancel
🔽 When loading a track, if a file exists,	substitute only if newer	
CD		
Recording type: Track at Once (Tr	AO), Not Closed	Mode: Mode1
File system type: Microsoft Joliet -	Up to 106 in filename length, any ANSI o	har., plus DOS tree 📃 💌
DVD		
Recording type: Disc at Once (DA	D), Closed	
File system type: UDF with Joliet -	Jp to 106 in length, any char., plus Joliet	r, plus 8+3 tree (Bridge)
Primary Volume Descriptor Fields (for the ISO an	d/or Joliet Trees)	
Publisher ID:		
D <u>a</u> ta Preparer:		
Applicatio <u>n</u> ID:		
Bootable CD (CD Only)		
Make my CD <u>b</u> ootable from		
C Boot floppy:	) Boot image:	
A:\		Create Image

Clicking on the **Options** button in the Job Set Up Window brings up the Data Job Options.

**Pre-Mastering Cache** - If the project is going to contain thousands of small files, then its a good idea to have a cache enabled. No cache is set by default, but you can choose to "**Cache All Files**" or "**Smaller than.**." in which case you can drag the slider bar to determine what size files you will cache. Generally if there are going to be thousands of small files (under 1 Kilobyte), set the **Smaller Than..** option and leave the slider at 1K.

**Mode** - RecordNow MAX can record in standard Mode 1 or Mode 2 XA. Mode 1 is used in almost every circumstance except advanced format discs such a CD Extra or Video CD

(explained later). Unless you're sure you want to make a Mode 2 disc, its best to leave this setting alone.

**Recording Type (CD & DVD)** - RecordNow MAX supports all major recording modes, but not all CD/DVD recorders will support these options. If you are going to be making a Multi-session, appendable disc, don't change the default. If you wish to make a Single-Session Disc, select "**Disc-at-Once Closed**" or "**Track-at-Once Closed**" if your drive doesn't support Disc-at-Once.

**File System Type (CD & DVD)** - If you are going to be making a disc that will be played back within Windows, then you don't need to change this setting. If you're going to be making a disc that you want readable in a Macintosh, then set ISO Level 1. Keep in mind that this won't make a Windows application run in a Macintosh environment, but the files/folders will be readable. Use ISO Level 2 or ISO Level 2 Long if you're sure you want to (you know who you are).

If you are creating a DVD-ROM, its generally best to leave the default. This will create a "triple tree" file system with Windows Joliet, UDF, and DOS 8+3 paths. This way the DVD-ROM disc will be readable by a wide range of systems.

*Tip*: Selecting ISO Level 1 or ISO Level 2 file systems mean the file names may be "truncated" to fit the 8+3 rule. This will sometimes cause the applications/programs on the disc not to function as the file names may now be different from what the application/program was expecting. Use this feature with caution!

**Primary Volume Descriptor (PVD)** - You can let the files and folders in your project display the original date & time they were created, or set all the dates and times to be the same.

Publisher ID - Optional field if you want to put your name/company name, etc.

**Data Preparer** – Optional field if you want to put your name/company name, etc.

Application ID - Optional field for Application ID

**Bootable CD** (For creating a bootable CD only) – Selects the type of boot image go be used in creating a bootable CD, from a floppy image, or other boot image

Boot Image – Browse and select where the boot image is located

Create Image - This button will allow you to create a boot image from files on your hard disk

- Your CD/DVD recorder should automatically be selected as a recorder (red arrow pointing to it). To change drives, right-click on the desired drive icon and click on Select/de-select as Recorder. You'll need to right click on the other drive and do the same to de-select it.
  - Drag & Drop files and folders that want to record on the CD-ROM/DVD-ROM into the Job Set Up Window. You can also use the Add Folder and Add File buttons to add files & folders. To remove files/folders from the list, select the files/folders and click the Delete Selected Entries button (red X)

**Note:** You can change the desination location of a file/folder on the fly by double clicking on the file/folder after it has been added into the Job Set Up Window. The destination can be the original Full Path, Partial Path, or in the Root Directory of the finished disc.

• Once all the data has been added to the job and the paths set, you can give the CD-ROM/DVD-ROM a name by entering it in the **Volume label**. A~Z & 0~9 characters can

be entered, no spaces between words. Words can be separated with an underscore ( \_ ). **Example: My\_Project**. Default volume label is the date and time the CD was created. The buttons to the right of the volume label will reset this default volume name.

- Select the number of **copies** you'd like to make from the selected data disc job
- Select the **Speed** for the recording (default is **MAX.**)
- You can choose to Test & Record (default), or Test Only, Record, Test/Record/Verify, or Record & Verify
- Set Multi-Session to the appropriate setting if needed. Default is "Load Last Track if Any" which will append sessions together. If you want each session to be a "standalone" volume, select "New Volume" in Multi-Session.

Remember: If you selected to make a Disc-at-Once Closed or Track-at-once Closed in the "Data Job Options" You will need to set Multi-Session to "New Volume"

- Insert a blank disc into the recorder, or an appendable Multi-Session CD/DVD that has already been recorded by RecordNow MAX Wizard or Full Application.
- Press the red record button to start the recording

**Note:** Warp Drive can be engaged to record up to 64 discs at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as recorders.

# **Creating an Audio CD**

🛃 Stomp Record	Now MAX - [	Job 1 - Audio	Job Un	titled1 *]				_ 🗆 ×
🧞 File Edit Drive	View Tools	Window Help						
🧩 🌮 Wizard Copy		🤤 Data	🧞 Audio	🤯 Mixed-Mode	video CD	<b>een see see see see see see see see see </b>		🌡 🕟 ave Drive
DVD+RW RW5120 Host:121 ID:0 (F:)		Copies: 1	Spee		Record and Verify		rify every round	×
Matshita UJDA710 Hos ID:0 (E:)	t:1		rrack 50	00 22 0		excess event to s		
67 (A) (A)		Track - File			ype	Pre-gap	Start	Length
		1 01 - Highwaym			/ave 22/44.1	0:02.00 (000150)	0:00.00 (000000)	3:03.70 (013795)
		10002 - Track 06 fr			D Audio Track	0:00.00 (000000)	3:03.70 (013795)	2:55.00 (013125)
		03 - black seam			IP3 File	0:00.00 (000000)	5:58.70 (026920)	5:42.38 (025688)
		👔 04 - Jung at he	ALCONTRACTOR AND A DESCRIPTION	and the second	IP3 File	0:00.00 (000000)	11:41.33 (052608)	4:04.43 (018343)
		10005 - Track 05 fr			D Audio Track	0:00.00 (000000)	15:46.01 (070951)	3:56.43 (017743)
		4 06 - Da da da.			/ave 22/44.1	0:00.00 (000000)	19:42.44 (088694)	3:22.52 (015202)
	1000	07 - messopota	• 60	Y.*	IP3 File	0:00.00 (000000)	23:05.21 (103896)	3:50.37 (017287)
Job Status	Action / Resu	▲●08 - Track 07 fr <<< >>>	rom disc Seria	1:UUFU-F812 C	D Audio Track	0:00.00 (000000)	26:55.58 (121183)	4:17.50 (019325)
	F	8 Track(s) - Total len	gth: 31:13.3		40:00	50:00 <sup>1</sup>	60:00 <sup>1</sup> 70:	• • • • • • • • • • • • • • • • • • • •
	1 Job(s) oper			Notification ON			00,00 70;	00,00 //

The RecordNow MAX Full Application gives you increased options for recording audio CDs as well. You can add CD Text information to your audio compilation, use Warp Drive to make several copies at once, and even perform verification of the finished CD.

**Tip**: Its better to use CD-R discs when creating audio CDs if you intend to play them on a home, car, or portable stereo. Consumer CD players typically can't play a CD-RW disc. CD-RW audio discs, however, can typically be played back on your computer's CD-ROM/DVD-ROM drive.

- From the Tool Bar, click the New Audio Disc button, or from the File pulldown menu select New Job -> New Audio Disc. From your keyboard you can also type Shift+F4 to start a new audio CD job
- Your CD/DVD recorder should automatically be selected as a recorder (red arrow pointing to it). To change drives, right-click on the desired drive icon and click on **Select/de-select as Recorder**. You'll need to right click on the other drive and do the same to de-select it.
- Drag and drop MP3, WAV, and WMA files from your hard disk, or drag & drop CD tracks from an audio CD into the track list. You can also add files by clicking on the Add Audio File button, or by using the Add With File Finder feature that will scan your hard drive for all MP3, WAV, and WMA files. You can also use the Add Track From Another Audio CD button to add CD tracks to the track list.. Click the Refresh button to refresh the display if it doesn't update automatically.
- The order in which the files are listed in the track list are the order they will play on the finished CD. You can move songs up or down in the track list by selecting them and then clicking on the **Move Up The Selected Track** and **Move Down the Selected Track** buttons. You can delete tracks from the compilation by selecting the tracks and clicking the **Delete Selected Tracks** button
- Click the **Recording Options** button if you would like to change from Disc-at-Once recording (Default) to Track-at-Once Not Closed, or Disc-at-Once Not Closed (Session at Once)

**Tip**: Unless you're sure, its best to leave the default Disc-at-Once. Creating a CD Extra disc is about the only reason you would want to change this setting. If you are attempting to create a CD Extra disc, please see the **Creating Mixed Mode and CD Extra Discs** section.

## Audio Job Options



Clicking on the **Options** button in the Audio Job setup window brings up the Audio Job Options window. Here you can select the Recording Type (Disc-at-Once, Track-at-Once, or Session-at-Once). You can also add a UPC code if you desire, and enable Pre-Emphasis. Note: Modern CD players will not need any pre-emphasis, however if you are expecting to play back the disc on an old CD player (made before 1985) you should enable Pre-Emphasis or the disc may play back with the volume softer than expected.

**Tip**: Leaving a session open means there is no table of contents written on the disc. So, this disc will not play back on a standard CD player until the session is closed.

## Adding CD Text Information

CD Text allows you to enter the actual song names, performer, and composer for the Disc and each track. During playback on a compatible player, you'll see the song names and artists displayed instead of the usual "Track 1, Track 2", etc. To use CD Text, your CD recorder must support this function. To find out if it does, select the drive in the Drive Status Window and "right click" the mouse. Select **Disc Explorer and Drive Properties**. If your CD recorder can write CD Text, you will see "**CD Text read/write**" in the drives details on the top of the window.

Furthermore, discs recorded with CD Text will only display CD Text information when played back on players that display the CD Text logo. The audio will playback just fine on a non-CD Text player, you just won't see the artist information displayed.

To add CD Text information to your compilation, click the **CD Text** button in the Job Set Up Window (abc button).

ise / Tracks	Title	Performer	Composer		Cancel
) Disc	My Favorites	Various	Various		
ກ 🧿 01	Mission Bell	Stan Ridgeway	Stay Ridgeway		Edit
∦⊚ 02∙…					<u>L</u>
<b>ர⊚</b> 03 ·…					
ກ 🧿 04					Put <u>F</u> ilenames
n 🧿 05					as Track Title
n 🧿 06					
ກ() 07				ΞÌ	Clear All
r					Cical Air
Note					
		cs only by CD Text compatible rea nd it never affects the audio repro		e	

Click on the Disc field and click Edit

CD Text Fields Edit		×
<u>I</u> itle:	All Tracks	OK
Performer:	All Tracks	Cancel
<u>C</u> omposer:	All Tracks	Clear

Enter the disc information (note: Title & Performer are mandatory, composer is optional). If you want this information to be used for all the tracks, click the appropriate boxes next to Title, Performer, and Composer. Click **OK** when done. Repeat the same steps for each track in the compilation.

**Note:** If you've added CD Text information for one track, you must add it for every track on the disc (including the Disc information). Also, in **Recording Options** it must be set for **Disc-at-Once Closed**.

**Note:** Only CD players that display the CD TEXT logo will be able to display the CD TEXT information. Non-CD TEXT players will be able to play the disc normally, but you'll see the Normal "track 1, track 2," etc on the CD player's display.

#### **Editing Pre-Gap & ISRC**

You can alter the silence gap between audio tracks from 0 to 9 seconds providing you are recording in Disc-at-Once mode. The default is 0 seconds between tracks. To alter the silence pause, select an audio track, and then click the **pre-gap and ISRC** button in the job setup window.

Audio Track Pre-gap	×
Pre-gap in sectors (75 sectors per second): 225	ОК
ISRC:	Cancel
Note You need to record in Disc At Once (DAO) mode to modify the Pre-gaps. Otherw Once (TAO) mode, they are always set to 150 sectors (2 seconds).	vise, in Track at

Pre-gap must be entered in CD sectors. 1 second = 75 sectors, 2 seconds = 150 sectors, 3 seconds = 225 sectors, and so on. You can also enter a unique ISRC code for each track.

**Note:** If you've changed pre-gap information, check in **Recording Options**, recording must be set for **Disc-at-Once Closed**.

- Once all the audio files & track have been added and edited as desired, Select the number of copies you'd like to make from the selected audio CD job
- Select the **Speed** for the recording (default is **MAX**.)
- You can choose to Test & Record (default), or Test Only, Record, Test/Record/Verify, Record & Verify, or Verify Only
- Insert a blank disc into the CD Recorder and click the red record button to start the recording

**Note:** Warp Drive can be engaged to record up to 64 audio CD discs at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as recorders.

# Using DJ BURN

🚯 RecordNow MAX DJ-Burn	x
Audio Tracks on Disc	Length CD-R. Recordable
<u>P</u> ecorder: <mark>[(G:) - Sony CD-RW CRX10U</mark> Blank Disc (CD BB), 79:57 - 702.83MI SONY Corporation (OSJ 972411)	B (359847) Free
The disc in the selected recorder is blank. You can no record live.	ow add files you want to record or click on the microphone to
Speed: Max Record	- 🐏 🔍 💊 🔏 🎸 🔳 🛛 🗋 🖉

DJ Burn allows you to record a standard audio CD that will be playable in standard CD players from a number of different sound sources, and by adding tracks one at a time. DJ Burn lets you record from MP3/WAV/WMA files, tracks directly from another CD, or even **live** recording through your PC's sound card. You don't have to record all the music onto the CD at one time with DJ Burn. You can add one song today, some more the following day, and so on. The caveat though, is that until the CD is "finalized", it won't be playable on standard CD players. This "unfinalized" CD can be played back on your CD recorder using the Windows CD player in the meantime.

**Tip**: Its better to use CD-R discs when creating audio CDs if you intend to play them on a home, car, or portable stereo. These consumer CD players typically can't play a CD-RW disc, however they can typically be played back on your computer's CD-ROM/DVD-ROM drive.

- Click the **DJ Burn** button on the Toolbar or select **DJ Burn** under the **Tools** pull down menu
- Your CD recorder should be selected automatically. If you have more than 1 CD/DVD recorder, select which one you'd like to use
- Insert a blank disc into the CD/DVD recorder, or an un-finalized disc that DJ burn has already started. You'll see a graphic representation of how much free space is available on the disc, and how many tracks are already on the disc.

## **Recording from MP3/WAV/WMA files**

- Set the **Speed** you'd like to record at. **MAX** is default. If you encounter a "buffer underrun" error, slow down the recording speed.
- Click the Browse button on the DJ Burn main screen. You'll see a dialog box for you to select the MP3/WAV/WMA files. You can also add MP3/WAV/WMA files using the Add with File Finder button
- Select the audio files you want to record and press **Open**. If this is the first file or set of files you've recorded to the disc, recording will start automatically. If you've already recorded tracks to the disc, you'll get a dialog box confirming the speed to record at and an opportunity to cancel.
- When the recording is complete, you'll see the tracks added to DJ Burn's Audio Tracks On Disc display. <u>These tracks can now be played on your CD recorder only until the disc is</u> <u>finalized</u>

## **Recording Audio Tracks from Other CDs**

- Click the Record Audio Tracks From Other CD button. A dialog box will open for you to select the CD-ROM/DVD-ROM where the source disc is, and once the correct drive is selected, the CD tracks will be listed in the window.
- Select the CD track or tracks you want to copy and click **Open**. DJ Burn will automatically test the audio extraction speed of the drive with the source disc in it, and display the safest recording speed to match the reading speed of the other drive. If you don't over-ride, recording will start automatically in a couple of seconds at the recommended speed.

When the recording is complete, you'll see the tracks added to DJ Burn's **Audio Tracks On Disc** display. <u>These tracks can now be played on your CD/DVD recorder only until the disc is finalized</u>

## **Recording Live Audio To CD**

Note: You cannot use CD-RW discs to record live audio. Live audio records at 1X (real time) and the minimum CD-RW speed is 2X

# Note: Your CD/DVD recorder must support 1X CD recording speed in order to record live audio. Some newer recorders no longer support 1X recording

- Set up the device you'll be recording from (tape deck, microphone, CD player, etc). Check your volume levels in your sound card's set up or in Windows Volume Control.
- Place a blank CD in your CD recorder, or an un-finalized disc that DJ burn has already started
- Click the **Record Live** button in DJ Burn and immediately start the playback from the source, or start speaking into the microphone as recording starts right away. When you're ready to stop recording, click the **Stop** button adjacent to the Record Live button.

After the stop button is pressed, in a couple of seconds a new audio track will be visible in the **Audio Tracks On Disc** display. To add more tracks this way, simply follow the same steps again. <u>These tracks can now be played on your CD recorder only until the disc is finalized.</u>

## Finalizing a DJ Burn Disc

To make a CD you've created with DJ Burn playable in standard CD players, simply place the disc in the CD recorder, open DJ Burn from the Starter, and click the **Finalize Disc** button. This process may take a few minutes, and when the disc is ejected, you can start enjoying it right away in your car, home stereo, etc. so long as you've recorded on a CD-R disc. If you've recorded on a CD-RW disc, the CD is likely only playable on your computer's CD-ROM/DVD-ROM drive.

# **Creating Mixed Mode or CD Extra Discs**

🛃 Stomp	RecordN	ow MAX - [	Job 1 - Mixed-	mode J	ob Untitled1	[*]				_ 🗆 🗙
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が Wizard	🌮 Copy	D Image	🕞 Data	🧞 Audio	🤯 Mixed-Mode	📎 Video CD	😤 DVD Video	🤌 Open	J Sav	· <u> </u>
Sony C	CD-RW CD-RW CRX10L CD-RW CRX10L CD-RW CRX10L CD-RW CRX10L CC-RW		Copies: 1 Volume label	Spee	es .	-	I Verify 💽  Ve Type: CD Extra t 🐨 Pre-gap	erify every round		Y
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			02 - Jung at he			3 File	0:00.00 (000100)			4:04.43 (018343)
			4 03 - Da da da.w			ave 22/44.1	0:00.00 (000000)			3:22.52 (015202)
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Job	Status	Action / Resu	Add Files ar	nd Folders	× 🖻 🖬	P Options				
🖓 Job 1 - Mixe			Folder or File as on	Disc	Sou	rce		Folders	Files	Size on Disc
			(My Pictures)*.	*	C:\[	ocuments and S	ettings\Bob Demoulir	n\ 19	419	188.24MB
			3 Track(s) + 1 Objer	ct(s) - 19 Fol	der(s) 419 File(s) -	Total length: 3	5:36.38 (160238)			
4		Þ	10:00	20:00	30:00	40:00	50:00	60:00	70:00	80:00
		1 Job(s) open	ed PxHelper	Auto Insert	Notification ON	utorun shield OM	4			

Mixed Mode CDs were devised as a way to combine data and music tracks on the same CD. A Mixed Mode CD is a "Single-Session" CD with the first "track" being a data track, and the other tracks on the disc being standard audio tracks. The downside to Mixed Mode CDs is that some older CD players mistake the data track for an audio track and try to play it, usually resulting in loud static or silence.

CD Extra is another way of putting data and audio tracks on the same disc, but has a distinct advantage over Mixed Mode discs. CD Extra is a "Multi-Session" disc with the audio tracks in the first session, and the data track in the second session. The advantage? Consumer CD players like car decks and portable stereos will only recognize the first session on a disc, so there is never a chance that the player will try and play the data track as sometimes happens with Mixed Mode discs.

- From the Tool Bar, click the Mixed Mode or CD Extra button, or from the File pull-down menu select New Job -> Mixed Mode or CD Extra. From your keyboard you can also type Shift+F5 to start a new Mixed Mode or CD Extra CD job.
- Your CD/DVD Recorder should automatically be selected as a recorder (red arrow pointing to it). To change drives, right-click on the desired drive icon and click on **Select/de-select as Recorder**. You'll need to right click on the other drive and do the same to de-select it.
- Select which type of disc you are trying to make, Mixed Mode or CD Extra
- Drag and drop MP3, WAV, and WMA files from your hard disk, or drag & drop CD tracks from an audio CD into the track list (upper window). You can also add files by clicking on the Add Audio File button, or by using the Add With File Finder feature that will scan your hard drive for all MP3, WAV, and WMA files. You can also use the Add Track From Another Audio CD button to add CD tracks to the track list. Click the Refresh button to refresh the display if it doesn't update automatically.
- The order in which the files are listed in the track list are the order they will play on the finished CD. You can move songs up or down in the track list by selecting them and then clicking on the **Move Up The Selected Track** and **Move Down the Selected Track** buttons. You can delete tracks from the compilation by selecting the tracks and clicking the **Delete Selected Tracks** button.
- Drag and drop data files and folders into the File/Folder list (lower window).
- Once all the audio files & track have been added and edited as desired, Select the number of **copies** you'd like to make from the selected audio CD job.
- Select the **Speed** for the recording (default is **MAX**.).
- You can choose to **Test & Record** (default), or **Test Only**, **Record**, **Test/Record/Verify**, **Record & Verify**, or **Verify Only**.
- Insert a blank disc into the CD/DVD recorder and click the red record button to start the recording.

**Note**: Warp Drive can be engaged to record up to 64 Mixed Mode or CD Extra discs at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as recorders.

# **Creating a Video CD**

Stomp R File Edit			Job 2 - Video Window Help		Untitled2 *				
Wizard	Copy	ew roois Dimage	Data	, १ Audio	🤯 Mixed-Mode	📎 Video CD	<b>eee</b> DVD Video	🎾 Open	Save Dri
	CD-RW		2	1 Re	corder selected				
(	:0 (E:)		Copies: 1			est, Record Ar	nd Verify 💌 📔	/erify every round	•
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Job 1 - Mixe									
Job 2 - Video									
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			100MB		ome <sup>r</sup> 30	OMBI	400MB <sup>I</sup> 5	500MB <sup>I</sup> 600I	MB <sup>I</sup> 700ME

Video CD was the predecessor to modern day DVD Video Discs. Video CDs are able to hold a movie and playback on Video CD players and many DVD Video players, but the quality is not as good as DVD. The reason for this is Video CD uses the MPEG-1 encoding standard, which is lesser quality than MPEG-2 standard used in DVD. As DVD recorders are still rather pricey, Video CD is an option to put your home video on a disc and share with family and friends who have compatible DVD players.

**Note:** MPEG-1 files to go on a Video CD need to be "formatted for Video CD according to the following standards:

NTSC 352 x 240 @30Hz (for United States) PAL 352 x 288 @25Hz (for most of Europe) Film 352 x 240 @30Hz Audio inside the MPEG-1 file should be 44Khz.

Several manufacturers offer formatting tools and capture boards that will save captured video to MPEG-1 specifically for Video CD creation. For capture boards and software, we recommend Dazzle Multimedia (<u>www.dazzle.com</u>). To convert MPEG-1 files that you currently have to Video CD form, try out XingMPEG (www.xingtech.com)

- From the Tool Bar, click the New Video CD button, or from the File pulldown menu select New Job -> New Video CD. From your keyboard you can also type Shift+F6 to start a new Video CD job
- Your CD/DVD recorder should automatically be selected as a Recorder (red arrow pointing to it). To change drives, right-click on the desired drive icon and click on **Select/de-select as Recorder**. You'll need to right click on the other drive and do the same to de-select it.

- Drag & Drop formatted MPEG-1 files into the Job Set Up Window. You can also add files by clicking the Select Video File button or the Video File Finder button which will search for MPEG-1 files on your system
- The order in which the MPEG-1 files are listed in the Job Set Up Window are the order they will play on the finished Video CD. You can move the video files up or down in the track list by selecting them and then clicking on the **Move Up The Selected Track** and **Move Down the Selected Track** buttons. You can delete tracks from the compilation by selecting the tracks and clicking the **Delete Selected Track** button
- Select the number of copies you'd like to make of the Video CD
- Select the **Speed** for the recording (default is **MAX**.)
- You can choose to Test & Record (default), or Test Only, Record, Test/Record/Verify, Record & Verify, or Verify Only
- Insert a blank disc into the CD/DVD recorder and click the red record button to start the recording.

**Note:** Warp Drive can be engaged to record up to 64 video CD discs at a time. Simply highlight additional CD/DVD recorder drives in the Drive Status Window that you want to commit to the job, right click and then click **Select/Deselect As recorder**. RecordNow MAX will display the number of recorders selected for the job. You'll need to set the number of copies that correspond to the number of drives you have selected as recorders.

# **Creating DVD Video Discs**

RecordNow MAX cannot create DVD Video discs directly from your camcorder or from VHS tape. RecordNow MAX can create a DVD Video disc from an authored DVD Video file. To do this, create a Data disc, and drag and drop (or use the add files/folder button) to select the folder with the authored DVD Video image files.

If you have DVD Video Authoring software installed in your system, a **DVD Video** button will appear on the toolbar of the RecordNow MAX Full Application. This will allow you to launch your authoring software from within RecordNow MAX.

If you do not yet have DVD Video Authoring software, Stomp recommends MedioStream's neoDVD software. This software will allow you to easily transfer your video footage from camcorder to DVD Video, or Video CD. You can also take you MPEG, AVI, Quick Time, and DV files and create a DVD Video or Video CD using neoDVD. The resulting DVD Video or Video CD disc will be playable in your home DVD player (note: Some DVD players can't read recordable CD or DVD media, check with your DVD player's manufacturer for additional information).

You can get a trial version of neoDVD by visiting www.mediostream.com

# **RecordNow MAX Tools**

## Using WarpDrive

Warp Drive is an innovative way to turn up to 64 CD recorders or up to 16 DVD recorders into a low cost duplication system. Warp Drive allows one job to run across multiple drives, or have multiple jobs open running on different recorders. Warp Drive can be used with all jobs in the RecordNow MAX full application. Warp Drive can also be used for certain utility duties as well. For example, you can erase up to 64 CD-RW discs at a time.

**Note:** Warp Drive is designed to assist you in duplicating material that you have rights to reproduce. BEFORE COPYING ANYTHING ONTO A CD or DVD DISC PLEASE BE SURE YOU ARE NOT VIOLATING COPYRIGHT LAWS. MOST SOFTWARE COMPANIES ALLOW YOU TO MAKE A BACK-UP OR ARCHIVE COPY OF SOFTWARE. CHECK YOUR SOFTWARE'S LICENSE AGREEMENT FOR SPECIFIC DETAILS. CONTACT YOUR LEGAL ADVISOR IF YOU ARE UNSURE OF YOUR RIGHTS.

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が Wizard	🌮 Copy	image	🕞 Data	🧞 Audio	🤯 Mixed-Mod	video CD	😴 DVD Video	🤌 Open	9	📕 Save	埦 Drive
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Job V Job 1 - Mixe. V Job 2 - Videc V Job 3 - Audi. Job 4 - Data	···	Action / Resu	1 Object(s) - 19 Fold	er(s) 419 File	e(s) - Total Size o	n Disc: 188.71MB					
4	1	•	100MB	20	OMB <sup>I</sup> :	300MB <sup>I</sup>	400MB	500MB <sup>1</sup>	600M	BI	700MB
[		4 Job(s) open	ed PxHelper	Auto Insert	Notification ON	Autorun shield O	N				/

## Using Warp Drive to make Multiple Copies of a Job

Using Warp Drive to make multiple copies of a single job is very simple. When a CD copy, Global Image, Data CD, Audio CD, Mixed Mode/CD Extra, or Video CD job is open, simply select the drives you want to record to by highlighting the drives & clicking **Select/Deselect As recorder** button (red arrow). To un-commit a recorder from a job, simply select the CD/DVD recorder(s) and click the select/deselect as recorder button again. You will need to set the number of **copies** that correspond with the number of recorders you have selected.

## Using Warp Drive to run Multiple Jobs

Warp Drive can also be used to run multiple jobs at the same time. For example, you can start a Data CD job, assign one or more recorders to it, and start recording; then start a new Audio CD job, assign one or more recorders to it, and start, etc. When a CD/DVD recorder is "assigned" to a job, it becomes unavailable (white arrow pointing to it) to other jobs that are opened.

**Tip**: Running multiple jobs simultaneously is system resource intensive. It is advisable to utilize SCSI CD/DVD drives connected to busmastering SCSI host adapters, USB 2.0, or IEE1394 CD/DVD drives. Use of USB 1.1 drives is strongly **NOT ADVISED**. 300Mhz or faster PC is strongly advised as well.

CD Text read/write		Stamped CD (or closed recordable)	Auto Refres
Mixed-mode Disc at Once (CD M1), 3 Track(s) 406.64MB (182620) Used			Jobal-Image
Disc, Sessions and Tracks	Start	Length	_ 🎾
Mixed-mode Disc at Once (CD M1)			Extract Track
<ul> <li>Session 1</li> <li>01 - Data Track Mode2 XA - NERO555</li> </ul>			
🛐 🔍 ) 01 - Data Track Mode2 XA - NERO555	0:00.00 (000000)	338.52MB (173320)	Print Layout
			<ul> <li>Internet and the second se</li></ul>
🔊 💿 02 - Audio Track	38:32.70 (173470)	1:02.00 (004650)	
	38:32.70 (173470) 39:34.70 (178120)	1:02.00 (004650) 1:00.00 (004500)	сдрв
🔊 💿 02 - Audio Track			

## **Disc Explorer & Drive Properties**

The Disc Explorer & Drive Properties utility provides a graphical interface to get drive details, explore a CD in any CD drive attached to the system, and perform certain tasks such as ripping audio tracks, building Global Images, and drive diagnostics. The Disc Explorer & Drive Properties utility can be launched from Full Application only.

Drive: Matshita UJDA710 (E:		Stamped CD	🔽 Auto Refres
Type: DVD-ROM/CD-RW CD Text read/write	Firmware version: 1.04 (	(or closed recordable)	
udio Closed (CD A1), 12 Track(s) 7:38 - 480.92MB (214410) Used Disc serial number: 00F0-F812			Elobal-Image
isc, Sessions and Tracks	Start	Length 4	- Jon
Audio Closed (CD A1)			
Session 1	1		Extract Track
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🔊 💿 🖓 02 - Audio Track	3:55.10 (017635)	3:14.68 (014618)	
🔊 💿 - Audio Track	7:10.03 (032253)	3:41.15 (016590)	CDDB
🔊 🛛 04 - Audio Track	10:51.18 (048843)	3:28.27 (015627)	
🎜 🖉 🖉 🖉 🕫 🕫 🕫	14:19.45 (064470)	3:56.43 (017743)	CD Text
Pat <u>h</u> : ings\Bob Demoulin\D 4,456.58MB Free on	and the second	ng speed: Max 💌	€xtract Stop

## Ripping (extracting) Audio Tracks as MP3 or WAV files

The RecordNow MAX Disc Explorer & Drive Properties utility can "extract" or "rip" tracks from an audio CD and save them as MP3 or WAV files for recording onto CD. Audio extraction can be from a CD recorder drive or CD-ROM/DVD-ROM drive. WAV files will yield the highest quality as they are not compressed. In the case of MP3s, there are 5 quality levels that can be selected, 96, 128, 192, 256, or 320 Kb/sec. The higher the number, the higher the quality and hard disk space needed.

- Select the drive you want to extract from in the Drive Status Window and Right Click your mouse. Select Extract Track(s) from the pop up menu. You can also select the drive you want to extract from and select Extract Track(s) from the Drive pull down menu. This will launch the Disc Explorer and Drive Properties screen.
- Insert the audio disc you would like to extract tracks from into the selected drive. In a moment, you will see a graphical display of the disc and list of tracks on the disc. If the selected drive supports CD Text reading you can click the **CD Text** button and the track display will change to display CD Text information.
- Select the audio track you would like by clicking once on it.
- Click the Extract Track button
- The Extract Track panel will come up. Click on the " …" button if you want to specify where to save the file (path). You can set the extraction speed if desired (MAX. is default)
- Select the type of file to extract to (WAV or MP3. If you're ripping to MP3 you'll need to select the quality of MP3 to be ripped)
- Click **Extract** to begin the extraction.

## **Building Global Images**

🗟 Disc Explorer and Drive Prop	erties		×
Drive: Matshita UJDA710 (E:) Host:1 ID:	D Lun:0 📃 💌	Stamped CD	🔽 Auto Refresh
Type: DVD-ROM/CD-RW Firm	ware version: 1.04	(or closed recordable)	
Data Mode1 Disc at Once (CD D1), 1 Track(s) 2.42MB (001238) Used			Global-Image
Disc, Sessions and Tracks	Start	Length	. Jen
Data Mode1 Disc at Once (CD D1)			
Session 1			Extract Track
💼 01 - Data Track Mode1 - SONY V1-5 (	0:00.00 (000000)	2.42MB (001238)	Print Layout
			CDDB
			<u>c</u> D Text
Global-Image: My Documents\Drivers & Setting 4,462.94MB Free on C:	<mark>s.gi 💌 R</mark> ea		Devild Stop

A Global CD image is a way to preserve a CD/DVD for future duplication by extracting the data on the disc along with all the disc geometry that is stored in the discs TOC (Table Of Contents) into an image file. This is the only way to produce an image file that is "exactly" like the original disc. RecordNow MAX provides for recording a CD/DVD from a Global Image file in the Full Application, reproducing the CD that was used to build the image. Global Image files can be created from just about any CD/DVD format.

**Note:** You will need the same amount of hard disk space as the size of the CD/DVD you're going to create the Global Image file from. For example if the source is a CD 500Mb in size, you'll need 500Mb of available hard disk space to hold the Global Image file.

## To build a Global Image file from a CD or DVD:

- Launch the Disc Explorer & Drive Properties utility in the Full Application. Click on the Drive button on the Toolbar, or select the drive you want to build the image from in the Drive Status Window and Right Click your mouse. Select Disc Explorer & Drive Properties from the pop up menu. And finally, you can also launch the utility by simply pressing F4 on your keyboard.
- Insert the disc you would like to build a Global Image from into the selected drive. In a moment, you will see a graphical display of the disc and list of tracks on the disc.
- Click the Global Image button
- The Global Image panel will come up. Give the Global Image a name, and if desired, use the "browse ..." button to select the location to save the Global Image file to. You can set the speed to build the Global Image if desired (MAX. is default)
- Click the **Build** button to start building the Global Image.

## **Testing Audio Extraction speed**

Disc Explorer and Drive Properties gives you the ability to measure the audio extraction **speed** and **accuracy** of the CD/DVD recorder or CD-ROM/DVD-ROM drive you have selected. This is particularly useful if you are having difficulty performing CD to CD copies; you can find out just how fast your source drive can extract audio and if its 100% accurate.

- Launch the Disc Explorer & Drive Properties utility. From the Full Application, you can click
  on the Drive button on the Toolbar, or select the drive you want to test in the Drive Status
  Window and Right Click your mouse. Select Disc Explorer & Drive Properties from the pop
  up menu. And finally, you can also launch the utility by simply pressing F4 on your keyboard.
- Insert any audio CD into the drive to be tested
- Click the Audio Extraction Speed Test button to start the test
- Results will be listed at the bottom of the screen for speed & accuracy

#### **Testing Data Extraction speed**

Disc Explorer & Drive Properties can also measure the speed of data extraction from a CD/DVD recorder or CD-ROM/DVD-ROM drive you have selected. This test is helpful if you're having difficulty performing Disc-to-Disc copies as you'll be able to determine the real extraction speed of your source drive.

- Launch the Disc Explorer & Drive Properties utility. From the Full Application, you can click
  on the Drive button on the Toolbar, or select the drive you want to test in the Drive Status
  Window and Right Click your mouse. Select Disc Explorer & Drive Properties from the pop
  up menu. And finally, you can also launch the utility by simply pressing F4 on your keyboard.
- Insert any data CD-ROM into the drive to be tested
- Click the Data Extraction Speed Test button to start the test
- Results will be listed at the bottom of the screen for speed

## Performing a Recorder self test

The RecordNow MAX Disc Explorer & Drive Properties can perform a comprehensive test of your CD/DVD recorder to ensure it is functioning correctly. This test is crucial if you suspect your drive is not functioning correctly.

- Launch the Disc Explorer & Drive Properties utility In the Full Application. You can click on the Drive button on the Toolbar, or select the CD/DVD recorder you want to test in the Drive Status Window and Right Click your mouse. Select Disc Explorer & Drive Properties from the pop up menu. And finally, you can also launch the utility by simply pressing F4 on your keyboard
- Insert a blank disc into the CD/DVD recorder to be tested (don't worry, it will not be recorded on)
- Click the Recorder Self Test button
- After a minute or so, you will get a message if the self test was completed successfully or not. If the test was not successful, your CD/DVD recorder may need service

## Options

RecordNow MAX has several options that can be set. To get to these options, go to the Full Application and use the **Tools** pull down menu and select **Options**. You can also get there by simply pressing the **F3** key on your keyboard.

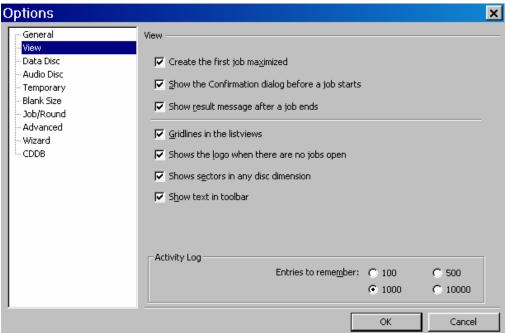
## General

Options	×
General View Data Disc Audio Disc Temporary Blank Size Job/Round Advanced Wizard	General  Defaults Creating a New Job  Remember settings from the last time you started a job  Speed: Max  Test Only Verify every round  Always select similar Recorders and last selected Reader  Re-select the last selected Recorder and Reader
CDDB	<ul> <li>Congot select any Recorder or Reader</li> <li>Test reading speed before copying directly from a disc</li> <li>Play sounds</li> <li>Autorun shield (Disable Auto Insert Notification when this application is open)</li> <li>Show the Wizard when the application begins</li> </ul>
	OK Cancel

These are the general options that can be set to do basic things such as to play or not play sounds. It is recommended to leave **Disable Audio CD and CD-ROM Autorun When This Application is Open** enabled as autorun programs can cause a buffer underrun when recording. Its also a good idea to enable **Test Reading Speed when Coping Directly from a Disc** when you suspect the reading drive is slow. This will automatically set the best recording speed based on the audio/data extraction speed of the Reader. You can also specify to remember settings and drives used in other jobs.

**Note:** If your CD recorder supports **BurnProof**, **Just Link**, **Power-Burn**, or other anti-buffer underrun scheme, you will see a check mark in the General options. Recorders that don't have this protection won't show this option at all.

# View



Here you can customize the views in the RecordNow MAX software. It's a good idea to leave the defaults set.

#### Data Disc

Options	×
General Control View Control C	Data Disc         Adding Folders and Files         When you add files or folders from a hard drive, how would you like the path to appear on the disc?            • Partial Path (relative to the current directory)         • Eull Path (relative to the root of the hard drive)         • Prompt (a dialog will open for every entry)         • Use New Volume as the default instead of Load Last Track         • Gheck if every file is readable before recording (recommended)         • Stop the job if a file is not readable while recording         • Recognize the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output Default in the output of the DVD specification         • Output of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the visit of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the visit of the VIDEO_TS and AUDIO_TS folders per the DVD specification         • Output of the visit of
	OK Cancel

Here you can set the path defaults for data CD-ROM jobs. It is recommended to leave the **Check If Every File Is Readable Before Recording** option set

# Audio Disc

Options		×
General View Data Disc Audio Disc Temporary Blank Size Job/Round Advanced Wizard CDDB	Audio Disc         Pre-Gaps         Image: Show gre-gaps in the Disc Explorer         Image: Calculate and copy pre-gaps when copying a disc or creating a Global-Image         UPC and ISRC         Image: Show UPC and ISRC in the Disc Explorer         Image: Copy UPC and ISRC when copying a disc or creating a Global-Image	
	OK Cancel	

Temporary		
Options		×
General View Data Disc Audio Disc General Gene	Temporary Temporary Folder C:\DOCUME~1\BOBDEM~1\LOCAL5~1\Temp\ 4,475.41MB Free on C:	<u>D</u> efault
	08	Cancel

Here you can set the Temporary directory where RecordNow MAX places temporary files

## Blank Size (OverBurning)

Options	×
General	Blank Size
- View - Data Disc	When checking if the job fits on the disc:
- Audio Disc	$\odot$ Use the exact dimension reported by the disc
- Temporary Blank Size	C Overburn for the following amount:
Job/Round Advanced	Overburn (in sectors): 5000 1:06 - 9.77MB
Wizard CDDB	C Use the following blank disc arbitrary dimension
	Blank dimension (in sectors): 360000 80:00 - 703.13MB
	Note
	Please note that by changing these settings you risk recording errors as well as possible problems reading the disc in CD-ROM and DVD-ROM drives.
	OK Cancel

OverBurning is a technique some CD recorder manufacturers utilize to squeeze a bit more data onto a CD-R disc. RecordNow MAX implements this feature on supported recorders. To OverBurn, you need to manually set the size of the blank disc to "fool" the CD recorder into thinking the disc is larger than it is reporting.

• Click the **Overburn For The Following Amount** circle, and fill in the amount you would like to try and OverBurn. Try the default (5,000 sectors) first.

**Note:** Many CD recorders do not support overburning. If performing the above "test" fails, you'll know for sure if your recorder supports this function.

## Job/Round

Options		x
General View Data Disc Audio Disc Temporary Blank Size <mark>Job/Round</mark> Advanced Wizard CDDB	Job/Round <ul> <li>When computing the discs still to go, count only the good ones</li> <li>Start of Round <ul> <li>Manual (wait for the user to close the trays)</li> <li>Automatically close the trays after (seconds):</li> <li>Note: the trays will open at the beginning of the first round</li> </ul> </li> <li>End of Round <ul> <li>Automatically gause at the end of each round</li> <li>Do not open any tray (mandatory pause)</li> <li>Open all trays, regardless if the discs are good or bad</li> <li>Open the trays for good discs only</li> </ul> </li> </ul>	
	OK Cance	1

The Job/Round options panel is ideal for setting up multiple drive Warp Drive Burning. These options only work for manually loaded CD/DVD recorders. Auto-loading duplicators will ignore these settings.

Options         General         View         Data Disc         Audio Disc         Temporary         Blank Size         Job/Round         Advanced         Wizard         CDDB         Drive Error Report         © Complete Command (12 bytes) and Sense (14 bytes)         @ Qnly Command, Sense, ASC and ASCQ         Drive Selection for Simultaneous Recording         @ Mix any drive         © Same model         © Same model and firmware version (recommended)         When data does not read correctly while Copying or Extracting         @ Return the error         © Insert black data and extinct
Insert blank data or silence and continue

The Advanced options panel is useful for setting up multiple drive WarpDrive burns, for example you can specify to only use drives for simultaneous recording that are of the same brand, model, and firmware version (strongly recommended).

## **Trouble Shooting**

#### **Common problems & solutions**

The most common problem encountered while recording CDs is "Buffer Underrun". Buffer Underrun occurs when the recording speed of the CD recorder is faster than the data rate of the hard disk/CD-ROM/DVD-ROM drive supplying the data. Once a CD recording job has been started, the recorder needs a consistent flow of data at the data rate required for the speed selected. For example:

Recording at 1X requires steady data rate of 150 Kilobytes per second Recording at 2X requires steady data rate of 300 Kilobytes per second Recording at 4X requires steady data rate of 600 Kilobytes per second Recording at 6X requires steady data rate of 900 Kilobytes per second Recording at 8X requires steady data rate of 1.2 Megabytes per second Recording at 10X requires steady data rate of 1.5 Megabytes per second Recording at 12X requires steady data rate of 1.8 Megabytes per second

In order to record successfully at higher speeds, your system may need some optimization. Slow data transfer can be caused by a number of things:

• Slow or fragmented hard disk

- Solution: De-fragment the hard drive, or get a faster drive.
- Applications running in background taking system resources

Solution: Quit open applications that use excessive system resources like email programs, fax programs, web browsers, screen savers, etc.

• Slow audio/data extraction from CD-ROM/DVD-ROM

Solution: Use Disc Explorer & Drive Properties' Audio & Data extraction tests to determine the true extraction speed the source drive can support. Adjust the recording speed below the extraction speed.

• Dirty or scratched CD or DVD media

Solution: Check your disc and replace if scratched. Discs can be cleaned according to the manufacturers instructions.

**Note:** Some CD recorders support **BurnProof** or other anti-buffer underrun scheme which is a "buffer underrun avoidance" feature. BurnProof-type drives can recover on the fly from a buffer underrun and continue recording, instead of making a "coaster". RecordNow MAX fully supports BurnProof in enabled drives. To see if your recorder supports BurnProof, in the Full application select the drive in the **Drive Status Window**, then go to the **Tools** pull down menu => **Options** menu. Click on **General.** If you see BurnProof and its checked, then your drive supports BurnProof. Non-BurnProof drives don't display the option at all.

**Tip**: Always use the Recordable CD/DVD media that is recommended by your recorder manufacturer. Always check to ensure the CD/DVD media supports the speed you wish to record at.

# Using DLA (Drive Letter Access)

Drive Letter Access (DLA) allows you to use your CD or DVD+RW recorder just as you would any other drive. This means you can now write files to your optical discs, delete files from your discs, and even format them directly from Windows Explorer without having to use any special mastering software.

DLA offers such helpful features as:

- Drag and Drop files: You can drag and drop files directly from Windows Explorer to your optical drive.
- Formatting discs: DLA lets you customize how you format your CDs and DVDs. You can
  perform a Quick or Full format, set what type of file system is used, and create a label for
  your disc.
- Making discs compatible with other operating systems: With DLA's Make Compatible feature, you can make CD-R discs readable by virtually any CD-ROM drive.
- Viewing disc properties: DLA shows you information about your media with a click of a button.
- Viewing disc contents: DLA uses the standard Windows Explorer screen to show you the contents of your disc.

## Starting the DLA Application for the First Time

Double click on the *icon* on the Windows Tool Bar (lower right hand corner of Windows). This will launch the DLA application. The DLA driver is always active, so when a DLA formatted disc is inserted into the burner, it will be ready for use in Windows.

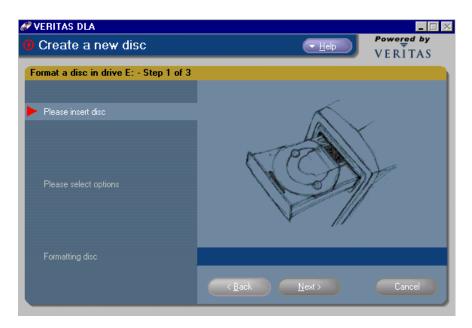


From the main DLA menu, you can format a blank disc for use with DLA, set preferences, and eject the disc from the drive. You can also chose to make a DLA disc "compatible" which will allow a computer not running DLA to read the disc.

Note: It is recommended to always eject a DLA disc from within the DLA software

## **Formatting A Disc**

- Launch the DLA application from the Windows toolbar by double clicking the  $\overset{\checkmark}{=}$  icon
- Select Format from the main DLA screen



Insert a blank disc into the CD/DVD Burner and click Next

🖉 VERITAS DLA		_ 🗆 🗙
O Create a new disc		Powe <u>r</u> ed by VERITAS
Format a disc in drive E: - Step 2 of 3		
	<u>V</u> olume label	
Please insert disc		
	Format Options	
	♥ <u>Q</u> uick	<u>E</u> xplain
	Eull –	
Please select options	Compression	
	Enable compression	E <u>x</u> plain
Formetting disc		
Formatting disc		
	< <u>B</u> ack <u>N</u> ext >	Cancel

• Give the disc to be formatted a volume label (name that will show up under Windows) and select to do a quick or full format. If you wish, you can enable the **compression** that effectively doubles the storage space on the disc. Click **Next.** 

Once the formatting is completed, the disc will be ready to store data. Simply drag and drop files and folders to the DLA disc, or save to from within an application. To delete a file or folder, drag it to the recycle bin.

## Making A DLA Disc Compatible With Other Systems

• Launch the DLA application from the Windows Toolbar. Click Make Compatible.

CD-ROM Compatiblity	X
This step will make the disc readable in most drives. Otherwise, the disc can be read only in systems that have DLA software installed.	
Press Start to make this disc compatible. This operation may take several minutes, and it cannot be cancelled once it has begun.	
WARNING! Once the disc has been made compatible, it can no longer be written to.	
<u>Start</u>	

• Click Start to begin. Caution: Once this process is done, the disc can't be written to again by DLA unless it is re-formatted!!

**Caution:** If you have Adaptec/Roxio's DirectCD installed on your system, please un-install it as it will conflict with the proper functioning of DLA.

**Caution:** If you have Ahead's NERO CD mastering software installed, please un-install it as it will conflict with the proper functioning of DLA.

**Note:** If you have a USB, FireWire, or other hot swappable CD/DVD burner, please be aware that if the drive is un-plugged while DLA is running, it will not resume operation when the drive is re-connected. If the drive is removed while DLA is running, the system will need to be re-started.