

Sonic Studio SACD.1



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User's Manual

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1 Overview

SACD.1 is used for authoring SACD titles.

To author a title, you will need to supply SACD.1 with one or two Edited Master files, and a SACD Text file. SACD.1 will use these to generate a Cutting Master, which is a file on AIT tape that is used by the SACD pressing factory to manufacture discs.

1.1 Authoring basics

During the Mastering phase of creating a SACD title, the recording engineer uses DSD.1, Sonoma, or other DSD workstation to assemble all of the recordings into a single soundfile and perform final editing. The engineer will also add PQ marks. The soundfile and PQ marks are exported to a file called an "Edited Master".

Every SACD title will require a stereo Edited Master. If the title is multichannel, then it will also require a multichannel Edited Master.

The other file required for Authoring is the SACD Text file. This file contains information about track title, author names, etc. It can also have the information available in multiple languages. The text file can be created using SACD.1 for text entry, or by using the text entry program provided by Sony and Philips (see <http://www.sacd.philips.com/b2b/production/editor.html>).

1.2 About this manual

This manual assumes that you are familiar with the procedure of authoring a SACD title. The purpose of the manual is to show you how to use the SACD.1 program's user interface.

For more information about authoring SACD titles, please see *"The Artist's and Producer's Guide to Super Audio CD"* at <http://www.airshowmastering.com>. Also, have a look at the SACD informational documents on the Sonic Studio website at <http://www.sonicstudio.com>.

2 Special Notes for Sonoma Users

SACD.1 is a good complement to the Sonoma system.

The Sonoma system can do recording and editing, and can also place PQ marks in an "Edited Master" file. It cannot create a SACD Cutting Master tape.

The Edited Master can be exported from the Sonoma system and sent to the SACD.1 system to create the Cutting Master.

If you are unfamiliar with sending files from a Windows system to a Mac, please see section 5, *Appendix A Networking files using Dave*.

3 Importing DSD Soundfiles

SACD.1 uses the Sonic Studio HD user interface for importing and displaying soundfiles, and for working with markers.



Figure 1

In Sonic Studio terms, each group of tracks is called an "EDL", short for "edit decision list". SACD.1 defaults to an opening screen with two EDL's, one for a stereo soundfile, and one for a multichannel or "surround" soundfile.

Each EDL functions independently for soundfile import, and for placement of markers.

3.1 Opening Soundfiles

Before opening a soundfile, you must indicate which EDL you want the soundfile to go into.

3.1.1 Selecting the active EDL

When you open a soundfile, it goes into the EDL which is active at that time. The active EDL is the EDL whose name (i.e. "stereo" or "multichannel" in the default screen) is displayed in yellow letters with a black background. The timeline of the active EDL has yellow numbers and a black background. The inactive EDL has the name and the timeline in white characters on a light blue background.

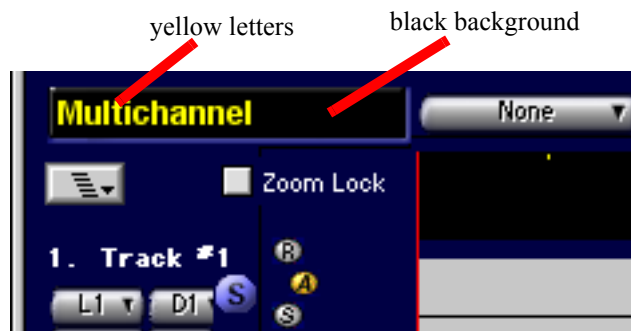


Figure 2 The name of the selected EDL has yellow letters on a black background.

To select an EDL to be the active EDL, click anywhere inside of the EDL. The name of the EDL will change to yellow letters on a black background. This EDL is now ready to open a soundfile.

3.1.2 Opening a soundfile into the active EDL

To open a soundfile, go to the File menu and select "Open Sound File".

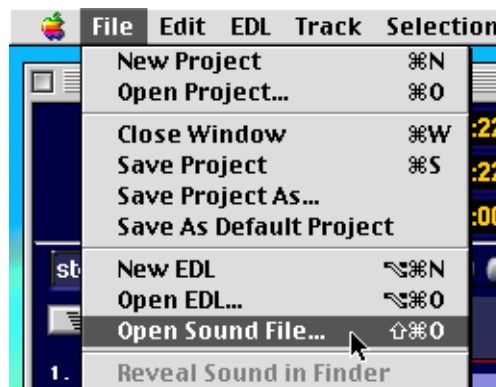


Figure 3 The Open Sound File command in the File menu.

This brings up the Open Soundfile dialog.

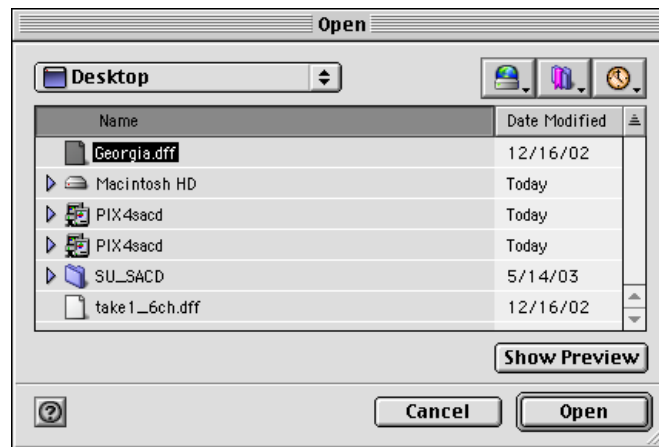


Figure 4 The Open Sound File dialog.

Browse to the soundfile name, and double-click on it. The soundfile will open into the active EDL.



Figure 5 A sound file is opened. In this case, a stereo sound file is opened into the top EDL.

3.1.3 Marks

In addition to placing the sound file into the EDL, the Open Soundfile command will also copy the start and end marks into the EDL, if there are any included in the sound file.

The SCD.1 program works with DSD-IFF format files. This format allows for mark information to be included in the file. SCD.1 reads the mark information, and copies the marks into the EDL. The marks are indicated in the timeline above the tracks.

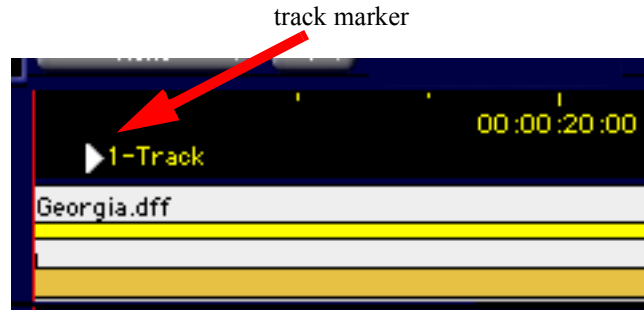


Figure 6 An example of a track marker. In this case, it is the start marker for Track 1.

A listing of all the markers can be viewed in the "SCD Info" window (see "Track Info" , page 29). The listing gives details of the start times, end times, and duration for each track. This information is used in generating the SCD "Cutting Master".

Marks can be added, removed, or moved in time inside of the EDL window (see section 4.7.2, *Edit Mark* for details).

4 The SACD Info window

Figure 7 shows the SACD Info window. This window is where you enter text information for authoring, and select authoring options.

The screenshot shows the 'SACD Info - Source' window with a dark blue background. It has a tabbed interface with 'Album Info' selected. The 'Current Text Channel' is set to '1' and 'ISO 8859-1 with escape codes English'. Under 'Album Properties', the 'Catalog Number' is '935844', 'Album Set Size' is '1', 'Genre' is '1', 'Genre Table' is 'General Genre', and 'Genre Index' is 'Jazz'. Below this, there are two columns: 'Master Text' and 'Master Phonetic'. The 'Master Text' column contains 'Title Jazz Favorites', 'Artist John Johnson', 'Publisher Funk City Records', and 'Copyright 2004'. The 'Master Phonetic' column is empty. At the bottom, the 'Text Channels Setup' section shows 'Channel' as '1', 'Character Set' as 'ISO 8859-1 with escape...', and 'Language' as 'English'.

Figure 7 The SACD Info window.

To bring up the SACD Info window, go to the Windows menu and select "SACD Info"

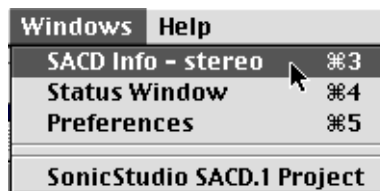


Figure 8

The SACD Info window has 5 tabs, to bring up 5 different windows for entering information, selecting option, and creating and verifying the Cutting Master image.

4.1 Context-dependent information

The information displayed on (or to be entered into) each screen of the SACD Info window may change according to which Text Channel is selected, or which Area is selected.

4.1.1 Text Channel

The SACD format allows for up to eight text channels. This make it possible to display text information in up to eight different languages.

During authoring, text information is entered into 3 different screens of the SACD Information window:

- 1) The Album Info screen
- 2) The Disc Info screen
- 3) The Area Info screen

For this reason, one Text Channel must be chosen to be active at any one time. At the top of each of these screens is an up/down arrow for selecting the active Text Channel.

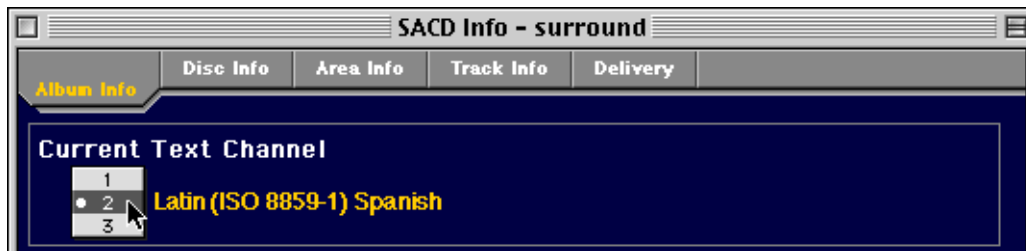


Figure 9 Selecting the active Text Channel.

4.1.2 Area

An SACD disc can be either stereo only, or both stereo and multichannel.

If a disc is both stereo and multichannel, then the text to be entered on two of the screens will depend on whether the active EDL is stereo or multichannel. These two screens are:

- 1) The Area Info screen
- 2) The Track Info screen

The active EDL is indicated in the title bar of the SACD Info window (see Figure 9).

To choose which EDL is active, see section 3.1.1, *Selecting the active EDL*.

4.2 Text file import and export

Manual text entry can be done independent of the SACD.1 program. In fact, Sony offers a free downloadable text entry program (see <http://www.sacd.philips.com/b2b/production/editor.html>). This makes it easy to have the text entry done off site. The recording producer can enter all text, generate the text file, and email it to the mastering house. At the mastering house, there is no need for manual reentry of the data, eliminating the possibility of more mistakes.

SACD text files have an extension of ".mts".

4.2.1 Text file import

To import a text file into a SACD.1 project, go to the File menu and select "Import SACD Text File..."



Figure 10

This brings up a file open dialog.

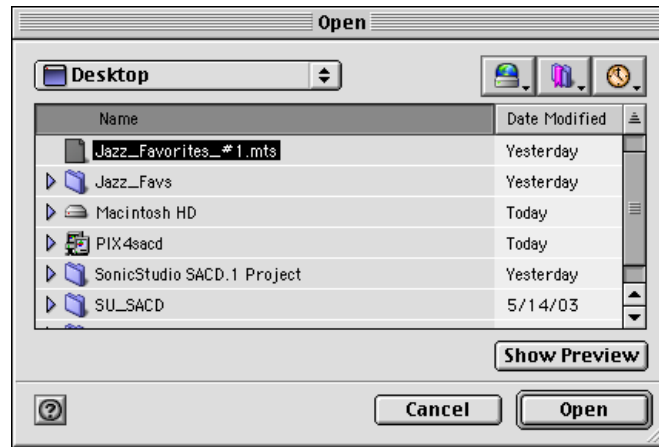


Figure 11

Double click on the .mts file that you want to import. A window will pop up telling you that the text file import was successful.



Figure 12

4.2.2 Text file export

You can also export a text file from SACD.1. Go to the File menu and select "Export SACD Text File...".



Figure 13

This brings up the Save window. Select a location for saving, type in a file name, and click on Save.

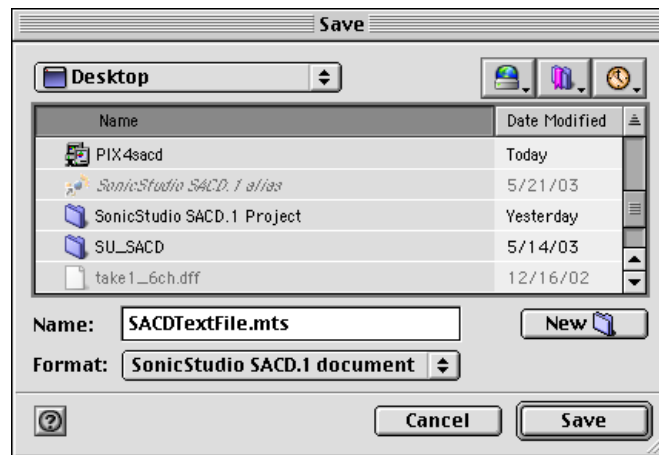


Figure 14

4.3 SACD Info window tabs

To display the SACD Info window, go to the Windows menu and select SACD Info.

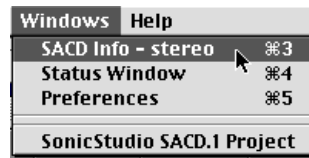


Figure 15

This brings up the SACD Info window.

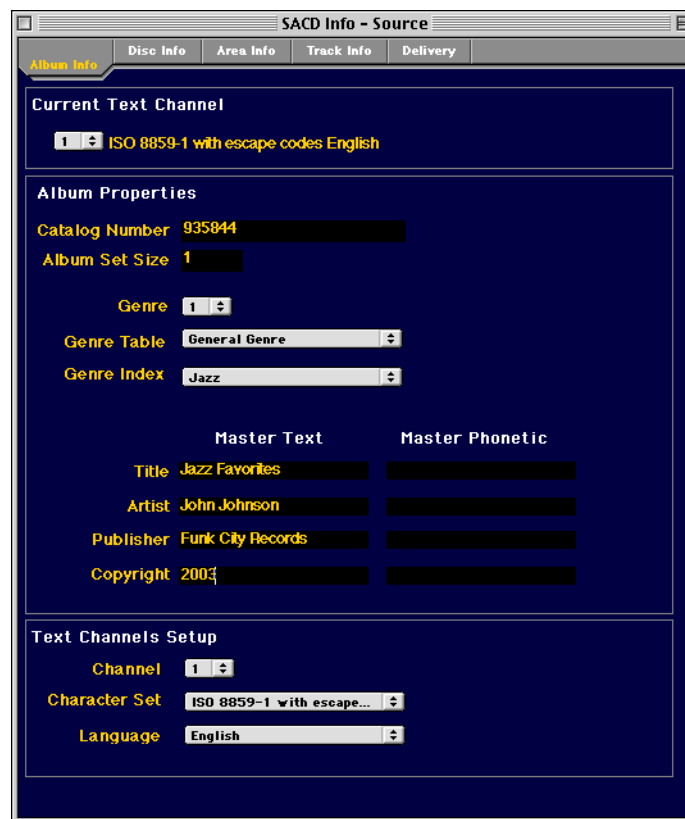


Figure 16

There are 5 tabs at the top of the SACD Info window:

- 1) Album Info
- 2) Disc Info

- 3) Area Info
- 4) Track Info
- 5) Delivery

Remember that the information displayed in the Album Info, Disc Info, and Area Info screens are dependent on the currently selected Text Channel (see section 4.1.1, *Text Channel*), and the information displayed in the Area Info and Track Info screens are dependent on the currently selected EDL (see section 4.1.2, *Area*).

4.4 Album Info

Figure 17 shows the Album Info screen of the SACD Info window.

The screenshot shows the 'SACD Info - stereo' window with the 'Album Info' tab selected. The interface is dark blue with yellow text and white input fields. The 'Current Text Channel' section shows a dropdown menu set to '1' and the text 'ASCII (ISO 646) American'. The 'Album Properties' section includes fields for 'Catalog Number' (935844), 'Album Set Size' (1), 'Genre' (1), 'Genre Table' (General Genre), and 'Genre Index' (Jazz). The 'Master Text' and 'Master Phonetic' sections each have four rows for 'Title', 'Artist', 'Publisher', and 'Copyright'. The 'Text Channels Setup' section at the bottom has fields for 'Channel' (1), 'Character Set' (ASCII (ISO 646)), and 'Language' (American).

Current Text Channel	
1	ASCII (ISO 646) American

Album Properties	
Catalog Number	935844
Album Set Size	1
Genre	1
Genre Table	General Genre
Genre Index	Jazz

Master Text		Master Phonetic	
Title	Jazz Favorites		
Artist	John Johnson		
Publisher	Funk City Records		
Copyright	2003		

Text Channels Setup	
Channel	1
Character Set	ASCII (ISO 646)
Language	American

Figure 17

4.4.1 Current Text Channel (Album Info)

The text information displayed in the Album Properties area of the Album Info screen depends on the currently selected Text Channel.

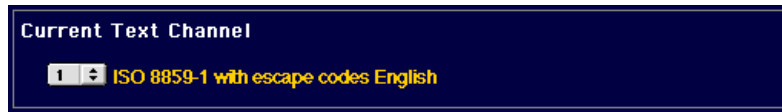


Figure 18

The window displays the current channel (in this case #1), the character set of the current text channel (in this case ASCII ISO 646), and the language of the current text channel (in this case English).

To change the current text channel, click on the up-down arrow next to the channel number. This brings up a list of the available text channels.

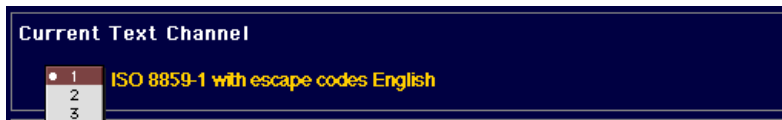


Figure 19

There is a dot next to the currently selected text channel. To switch to a different text channel, click on that channel number.

4.4.2 Album Properties

Figure 20 shows the Album Properties section of the Album Info screen.



The screenshot shows the 'Album Properties' section of a software interface. It features several input fields and dropdown menus. The 'Catalog Number' field contains '935844'. The 'Album Set Size' field contains '1'. The 'Genre' field is a dropdown menu showing '1'. The 'Genre Table' field is a dropdown menu showing 'General Genre'. The 'Genre Index' field is a dropdown menu showing 'Jazz'. Below these fields, there are two columns: 'Master Text' and 'Master Phonetic'. The 'Master Text' column contains four rows: 'Title Jazz Favorites', 'Artist John Johnson', 'Publisher Funk City Records', and 'Copyright 2003'. The 'Master Phonetic' column contains four empty text boxes corresponding to the rows in the 'Master Text' column.

Figure 20

4.4.2.1 Album text entry

To enter text for:

- Catalog Number
- Album Set Size
- Title
- Artist
- Publisher
- Copyright

Just click in the black box. A text cursor will appear. Type in the text.

4.4.2.2 Genre (Album)

Up to four general Genres can be indicated for the Album. To indicate a Genre, click on the up-down arrow box. A list of 4 numbers will appear.



The screenshot shows a close-up of the 'Genre' field. It is a dropdown menu with a list of numbers 1, 2, 3, and 4. A mouse cursor is pointing at the number 2. To the right of the dropdown menu, there are two more dropdown menus: 'Genre Table' showing 'General Genre' and 'Genre Index' showing 'Jazz'.

Figure 21

The currently selected Genre has a dot to the left of the Genre number.

Begin by selecting #1. Assign a Genre Table and a Genre index (see below).

4.4.2.3 Genre Table

SACD authoring gives you a couple of different standard lists of Genre's to choose from. To select the Genre Table that you will be using, click on the up-down arrow box. This will bring up a short list.



Figure 22

The currently selected Genre Table is indicated by a dot on the left.

To select a different Genre Table, click on the Table name.

4.4.2.4 Genre Index

This is the actual indicated Genre of the Album (or one of the Genres, if multiple Genres are indicated). To select a Genre, click on the up-down arrow. This brings up a list of standard Genres to choose from.

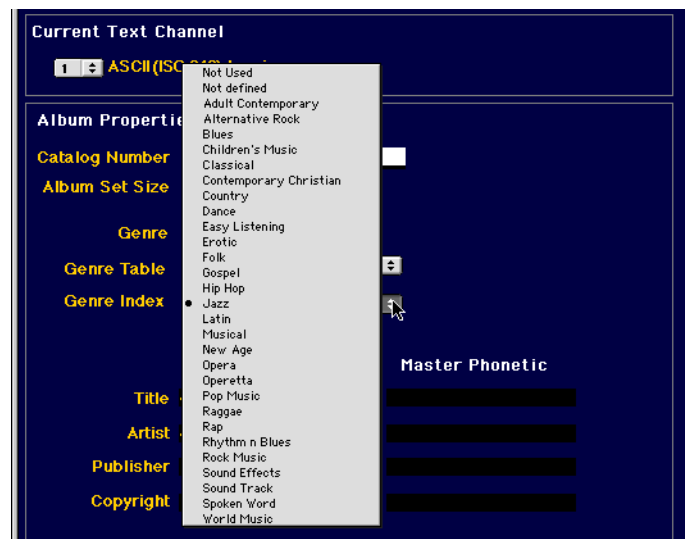


Figure 23

A dot on the left indicates the currently selected Genre.

To select a different Genre, click on the Genre name.

4.4.3 Text Channels Setup

Figure 24 show the Text Channels Setup section of the Album Info screen.

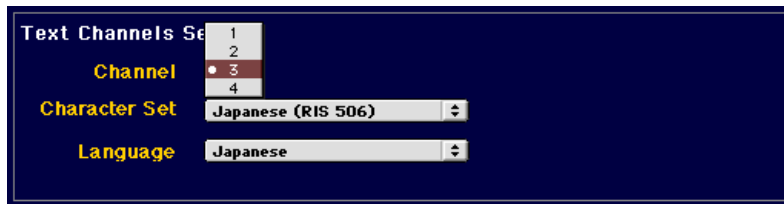


Figure 24

The SACD format allows for multiple languages in a single disc. Each language is given its own "text channel". Before you can enter data into a text channel, the channel must be created.

4.4.3.1 Channel

To create a new text channel, click on the up-down arrow box next to "Channel". This pops up a list of numbers.



Figure 25

The list of numbers is always one more than the number of currently existing text channels. In this case, numbers 1 through 4 are listed, meaning that there are currently 3 existing text channels. The currently active text channel has a dot next to it (in this case, text channel #3).

To create a new text channel, click on the number at the bottom of the list. Then you must select a character set and a language for the new text channel.

4.4.3.2 Character Set

To select a character set for a new text channel, or to change the character set of an existing text channel, click on the up-down arrow box next to "Character Set". This pops up a list of character sets.

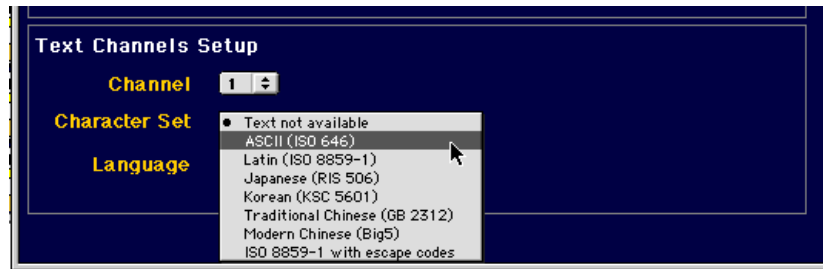


Figure 26

There is a dot to the left of the currently selected character set. Click on the desired character set to change to the new character set.

4.4.3.3 Language

To select a language for a new text channel, or to change the language of an existing text channel, click on the up-down arrow box next to "Language". This pops up a list of languages.



Figure 27

There is a dot to the left of the currently selected language. Click on the desired language to change to the new language.

4.5 Disc Info

Figure 28 shows the Disc Info screen of the SACD Info window.

The screenshot shows a software window titled "SCD Info - stereo" with a tabbed interface. The "Disc Info" tab is selected. The window is divided into two main sections: "Current Text Channel" and "Disc Properties".

Current Text Channel

1 ASCII (ISO 646) American

Disc Properties

Disc 1

Catalog Number 9358441

Disc Date 2003/02/13

Disc Type Single Layer

CD Text <No CD Text>

Genre 1

Genre Table General Genre

Genre Index Jazz

	Master Text	Master Phonetic
Title	Jazz Favorites	
Artist	John Johnson	
Publisher	Funk City Records	
Copyright	2001	

Figure 28

4.5.1 Current Text Channel (Disc Info)

The text information displayed on the Disc Info screen depends on the selection of the current text channel. For more information, see section 4.4.1, *Current Text Channel (Album Info)*.

4.5.2 Disc Properties

Figure 29 shows the Disc Properties area of the Disc Info screen.

Disc Properties		
Disc	1	
Catalog Number	9358441	
Disc Date	2003/02/13	
Disc Type	Single Layer	
CD Text	<No CD Text>	
Genre	1	
Genre Table	General Genre	
Genre Index	Jazz	
	Master Text	Master Phonetic
Title	Jazz Favorites	
Artist	John Johnson	
Publisher	Funk City Records	
Copyright	2001	

Figure 29

4.5.2.1 Disc Properties Text

To enter text for:

- Disc number
- Catalog Number
- Disc Date
- Title
- Artist
- Publisher
- Copyright

Just click in the black box. A text cursor will appear. Type in the text.

4.5.2.2 Disc Type

To select Disc Type, click on the up-down arrow box.



Figure 30

The currently selected Disc Type is indicated by a dot on the left. Change the Disc Type by clicking on the desired type in the list.

4.5.2.3 CD Text

To select CD Text, click on the up-down arrow box.



Figure 31

The currently selected CD Text is indicated by a dot on the left. Change the CD Text by clicking on an item in the list.

4.5.2.4 Genre (Disc)

The disc can have up to 4 standard Genre types indicated, just like with the Album Genre. The Genre selection process is the same as for the Album Genre. For more information, see section 4.4.2.2, *Genre (Album)*.

4.6 Area Info

A multichannel SACD has 2 "areas", one for the multichannel recording, and one for the stereo version of the multichannel recording. The Area Info screen is for entering information particular to each area.

On a multichannel SACD, the Area Info screen changes, depending on whether the stereo EDL is selected, or the multichannel ("surround") EDL is selected.

Figure 32 shows the Area Info window, as it appears when the stereo EDL is selected.

The screenshot shows a window titled "SACD Info - stereo" with a tabbed interface. The "Area Info" tab is selected. The window has a dark blue background with yellow text. The "Current Text Channel" section shows a dropdown menu set to "ASCII (ISO 646) English". The "Stereo Area" section contains a "Track Offset" field, a "DST Conversion" checkbox, and two columns of input fields labeled "Area Text" and "Area Phonetic". The "Area Text" column has fields for "Name" and "Copyright". The "Area Phonetic" column has corresponding empty fields.

	Area Text	Area Phonetic
Name		
Copyright		

Figure 32

Figure 33 shows the Area Info screen, as it appears when the surround EDL is selected.

SACD Info - surround

Album Info Disc Info **Area Info** Track Info Delivery

Current Text Channel

1 ASCII (ISO 646) English

Multichannel Area (6 channels)

Audio Ch 4 Use LFE

	Area Text	Area Phonetic
Name		
Copyright		

Figure 33

4.6.1 Current Text Channel (Area Info)

The text information displayed on the Area Info screen depends on the selection of the current text channel. For more information, see section 4.4.1, *Current Text Channel (Album Info)*.

4.6.2 Area Info Text

To enter text for:

- Track Offset (stereo only)
- Name
- Copyright

Just click in the black box. A text cursor will appear. Type in the text.

4.6.3 Stereo Area

Figure 34 shows the window for the Stereo Area Info.



The screenshot shows a window titled "Stereo Area" with a dark blue background. It contains several fields and labels in yellow text: "Track Offset" followed by a small icon and a black input box; "DST Conversion" followed by a small white square checkbox; "Area Text" and "Area Phonetic" as column headers; "Name" and "Copyright" as row headers; and two black input boxes for each row under the column headers.

Figure 34

The one option in this window (other than text entry) is DST Conversion. Generally, DST conversion is not recommended for the stereo tracks unless there is a shortage of space on the disc.

DST conversion is selected by clicking on the box. A checkmark will appear in the box when it is selected.



A close-up of the "DST Conversion" label and the checkbox, which now contains a white checkmark.

Figure 35

4.6.4 Multichannel Area

Figure 36 shows the window for the Multichannel Area Info.



Multichannel Area (6 channels)	
Audio Ch 4 Use	LFE
Area Text	
Area Phonetic	
Name	Jazz Favorites
Copyright	2003

Figure 36

The only option (other than text entry) is the channel usage information (*the user interface on this needs to be completed*)

4.7 Track Info

The Track Info window reads the marker information out of the EDL and displays the timing information that will be used in the Cutting Master. In addition, text information can be entered for each track, such as title, performer, etc.

Remember that the information shown is for the active area. The active area is indicated in the title bar.

Figure 37 shows the Track Info window.

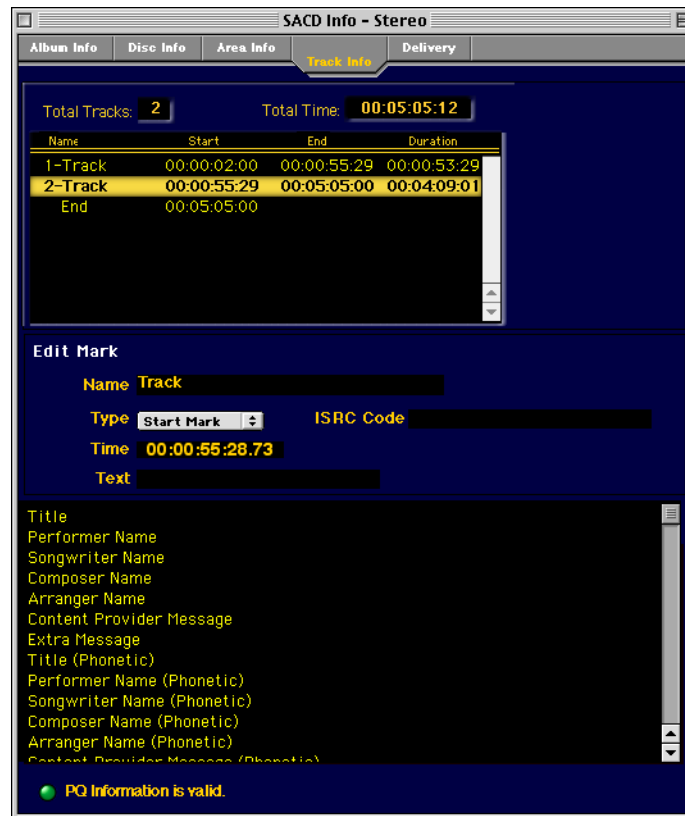


Figure 37

4.7.1 Track time info

The top of the Track Info screen displays the timing information from the marks.



The screenshot shows a window titled 'Track Info' with a dark blue background. At the top, it displays 'Total Tracks: 2' and 'Total Time: 00:05:05:12'. Below this is a table with four columns: Name, Start, End, and Duration. The table contains three rows: '1-Track' with start time 00:00:05:09, end time 00:01:00:16, and duration 00:00:55:07; '2-Track' with start time 00:01:00:16, end time 00:05:05:00, and duration 00:04:04:14; and 'End' with start time 00:05:05:00. The first row is highlighted in gold.

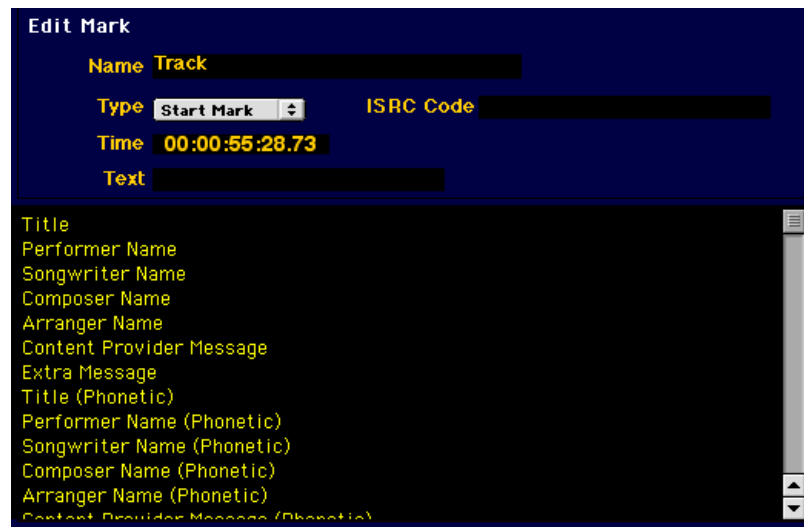
Name	Start	End	Duration
1-Track	00:00:05:09	00:01:00:16	00:00:55:07
2-Track	00:01:00:16	00:05:05:00	00:04:04:14
End	00:05:05:00		

Figure 38

This window gives the start and end time of each track, as well as the duration. At the top is displayed the total number of tracks in the active area, as well as the total playing time.

4.7.2 Edit Mark

You can edit mark information. To edit a mark, click on a track in the upper window. The track will be selected, and the background will change from black to gold. The information for that track can now be edited in the lower window, in the area labeled "Edit Mark".



The screenshot shows a window titled 'Edit Mark' with a dark blue background. It contains several input fields: 'Name' with the value 'Track', 'Type' with a dropdown menu showing 'Start Mark', 'ISRC Code' with an empty field, 'Time' with the value '00:00:55:28.73', and 'Text' with an empty field. Below these fields is a list of metadata fields: Title, Performer Name, Songwriter Name, Composer Name, Arranger Name, Content Provider Message, Extra Message, Title (Phonetic), Performer Name (Phonetic), Songwriter Name (Phonetic), Composer Name (Phonetic), Arranger Name (Phonetic), and Content Provider Message (Phonetic). The list is scrollable.

Edit Mark

Name

Type ISRC Code

Time

Text

Title
Performer Name
Songwriter Name
Composer Name
Arranger Name
Content Provider Message
Extra Message
Title (Phonetic)
Performer Name (Phonetic)
Songwriter Name (Phonetic)
Composer Name (Phonetic)
Arranger Name (Phonetic)
Content Provider Message (Phonetic)

Figure 39

4.7.2.1 Track name

The first item that can be edited is the track name. In SACD.1, start markers default to the name "Track". To change the name, click inside the black box. A text cursor appears. You can delete characters and type new characters.

4.7.2.2 Mark type

When a line is selected in the top window, the marker type is displayed in the "Type" window. You can change the type by clicking on the up-down arrow button and selecting a different type. There are three types of marks: Start, End, and Index.

4.7.2.3 ISRC code

An ISRC code can be assigned to a selected start mark. To assign an ISRC code, click inside the black box next to "ISRC". A text cursor will appear, and you can type into the box.

4.7.2.4 Mark time

The time location of a selected mark can be changed. The current time of the mark is displayed in the black box next to "Time". To change the time, click on the hours, minutes, seconds, frames, or subframes in the time. The two-digit pair will be highlighted.



Figure 40

You can now type in a new time for these two digits.

4.7.2.5 Mark text

Text can be assigned to each start mark, which is to say, text can be assigned to each track. This includes track title, performer name, composer name, etc.

To enter text for a track, click on the information type that you want to enter. For instance, if you want to enter the songwriter name, click on "Songwriter Name".

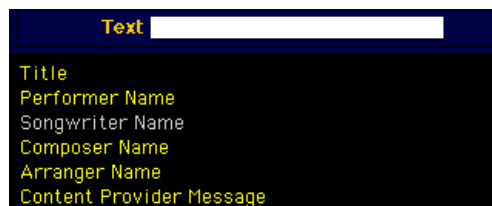


Figure 41

The label "Songwriter Name" turns white to show that it is selected. When you start typing, the text appears in the box.

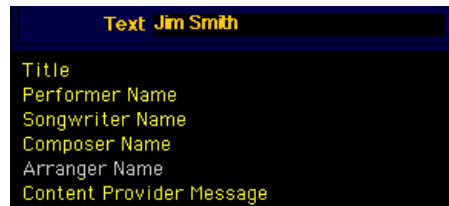


Figure 42

4.7.3 PQ Information validity check

The Track Info screen checks the times of the track start and end marks, and makes sure that they conform to technical requirements. The result of the check is displayed at the bottom of the screen.

If the times are all OK, then a green button is displayed, and a message telling you that the PQ codes are valid.



Figure 43

If an error is detected, a yellow button is displayed, along with an error message.



Figure 44

4.8 Delivery

Once all sound files have been loaded, all text information entered, and editing of PQ marks completed, it is time to generate the Cutting Master.

Figure 45 shows the Delivery window.



Figure 45

4.8.1 Destination

Figure 46 shows the Destination area of the Delivery window.



Figure 46

4.8.1.1 Device

At the top of the Destination area is a black box that tells you what device is present for recording the Cutting Master, and it's working status. Generally you will have an AIT tape drive connected to the system. When the AIT drive appears in this window, and the status shows that it is ready ("ready to write"), you can generate a Cutting Master to tape.

4.8.1.2 Sony Cutting Master File

When you make this selection, SACD.1 will start with your Edited Master file(s) and text file, and create a Cutting Master file. This file is stored in the Disk 1 folder, inside of the Project folder.

4.8.1.3 Sony AIT Tape

When this is selected, SACD.1 will write a Cutting Master file to AIT tape.

The Cutting Master file can either be newly created in this process, or an existing Cutting Master file can be written (see).

4.8.1.4 Build Disc Image

This checkbox is only relevant if you have selected "Sony AIT Tape" above.

If the box is checked, SACD.1 will generate a new Cutting Master file before writing to the AIT tape. If the box is not checked, SACD.1 will write the existing Cutting Master file to the AIT tape.

4.8.1.5 Keep DST File

The most time-consuming part of generating a Cutting Master is likely to be encoding a DST file. If there is a chance that another Cutting Master will be generated, you can avoid going through the DST encoding a second time by saving the DST-encoded file. Just click on the check box.

4.8.2 Delivery buttons

When all text has been entered, and all options selected, SACD.1 is ready to actually create the Scarlet Book disc image.

Figure 47 shows the Delivery buttons in the Delivery window.



Figure 47

4.8.2.1 Execute

Click on this button to create the Cutting Master.

If you have not previously saved your Project, a Save window will come up.

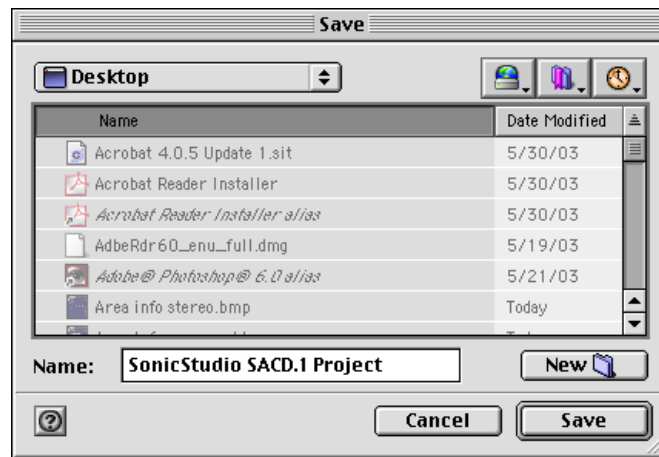


Figure 48

It will have a default name of "SonicStudio SACD.1 Project". Type in a new name, and hit the Save button.

Next, the Delivery progress window will come up.

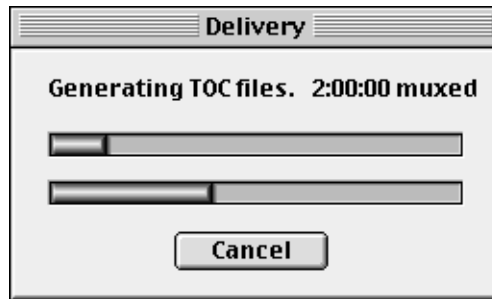


Figure 49

The current task will be displayed at the top. There are two progress bars: one shows the progress of the current task, and the other shows the progress of the overall delivery process.

After all the tasks are done in preparing the image, the delivery window shows that the image is being written.



4.8.2.2 Eject

This button causes the AIT drive to eject the tape.

4.8.2.3 PQ List

This button saves the PQ list of the active EDL into a text file, and then opens the text file for viewing or printing.

When you click on the button, a window comes up asking you to name and save the text file.

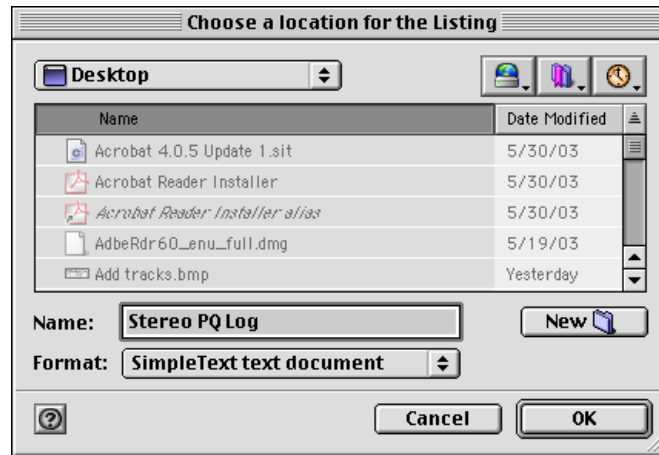


Figure 50

The window offers a default file name of "XXXX PQ Log", where XXXX is the name of the active EDL. In this case, the active EDL is named "Stereo". After you save the file, the file is displayed in Simple Text.

```

***** Sonic Studio *****
***** CD Pre-Mastering System *****
***** SonicStudio HD 1.0 *****

Client :
Project : SonicStudio HD Project
Title : stereo PQ Log
Date :
WO :

Date Generated: Saturday June 7, 2003
Page Number: 1

PQ Log:

Delivery Type:CD, DDP or Image - (CD Times are 75 fps)
Time Format: 30/NDF
PQ Track 1 Offset: 00:00:00:10 PQ Start Offset: 00:00:00:10
PQ Splice Offset: 00:00:00:06 PQ End Offset: 00:00:00:02
PQ MinIndex 0 Width: 00:00:01:00 PQ UPC/EAN CODE:

PQ Track / Index Information:

```

T-X	TITLE/ISRC	COPY EMPH	NO	OFFSET TIME hh:mm:ss:ff	OFFSET TIME hh:mm:ss:ff	OFFSET DURATION hh:mm:ss:ff	CD TIME mm:ss:ff
1	0 Pause			00:00:00:00	-00:00:00:10	00:00:02:00	00:00:00
	1 Track			00:00:02:00	00:00:01:20	00:00:32:15	00:02:00
					Total:	00:00:34:15	
2	1 Track			00:00:34:11	00:00:34:05	00:02:35:10	00:34:38
					Total:	00:02:35:09	
3	1 Track			00:03:09:21	00:03:09:15	00:01:55:17	03:09:52
					Total:	00:01:55:17	
	LeadOut			00:05:05:00	00:05:05:02		05:05:30
	Total:					00:05:05:12	

Figure 51

From Simple Text, the file can be sent to a printer.

4.8.2.4 Report

The Report button is not functional at this time.

5 Appendix A Networking files using Dave

If you are doing your DSD recording and editing on a Windows-based system, such as Sonoma, you will need a way to transfer files from the Windows system to the Mac. One good way is to send them across an ethernet connection using Dave (see <http://www.thursby.com>).

Dave is an application that runs on the Mac, and makes shared Windows folders available to the Mac.

When you start Dave, a Window appears.

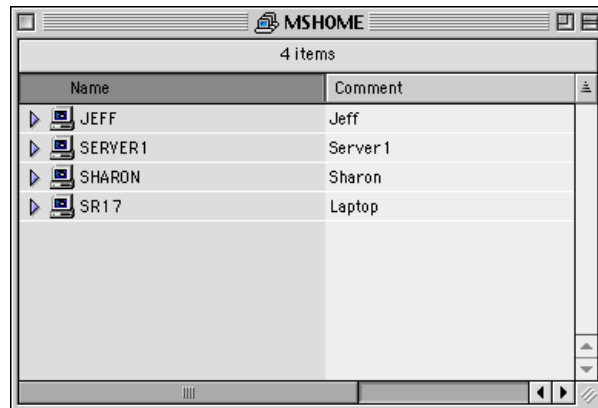


Figure 52

This window lists the Windows computers on the network. To get to the files on one of these computers, click on the triangle to the left of the computer name. This will bring up a screen for log-in.

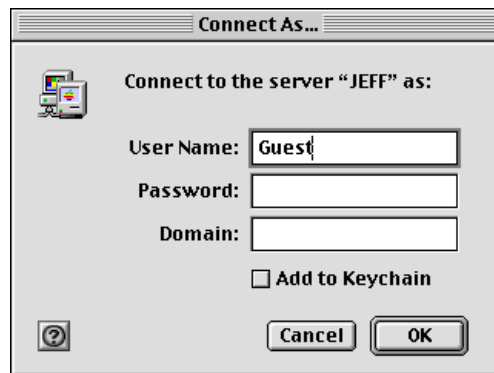


Figure 53

If the network connection is not password protected, you can type "Guest" for the user name, and click on "OK". If the connection is password protected, enter the requested information, and click "OK".

You will return to the first window, but now a list of shared folders appears under the computer name.

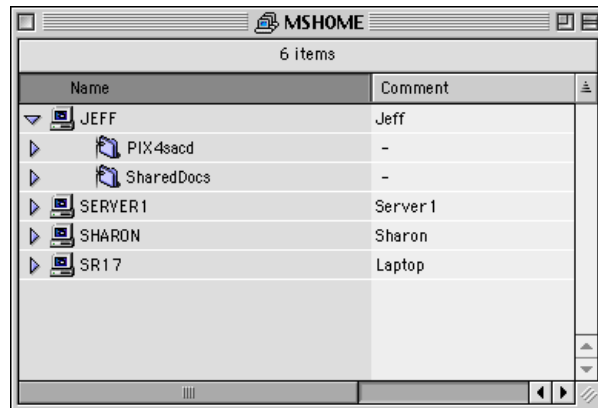


Figure 54

Select a folder by clicking on it.

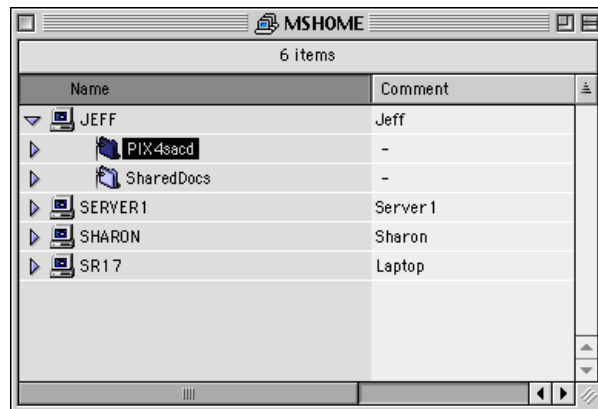


Figure 55

Now, move a copy of this folder to the desktop by clicking Command-m.



Figure 56

You can now go to this folder and copy files, the same as if this folder was on the Mac HD.

6 Appendix B Changing the Default Project EDL's

When you start a new project in SACD.1, the project window shows the default EDL's. For SACD.1, the default EDLs are 1) a stereo EDL on top, with the name "stereo", and a 6-track EDL on bottom, with the name "multichannel". If you prefer a different default project, it is easy to change:

- 1) Change the names of the EDL's
- 2) Change the number of tracks in an EDL
- 3) Save the new EDL's as the default project

6.1 Changing EDL names

The name of each EDL appears in the box at the upper right corner of the EDL.

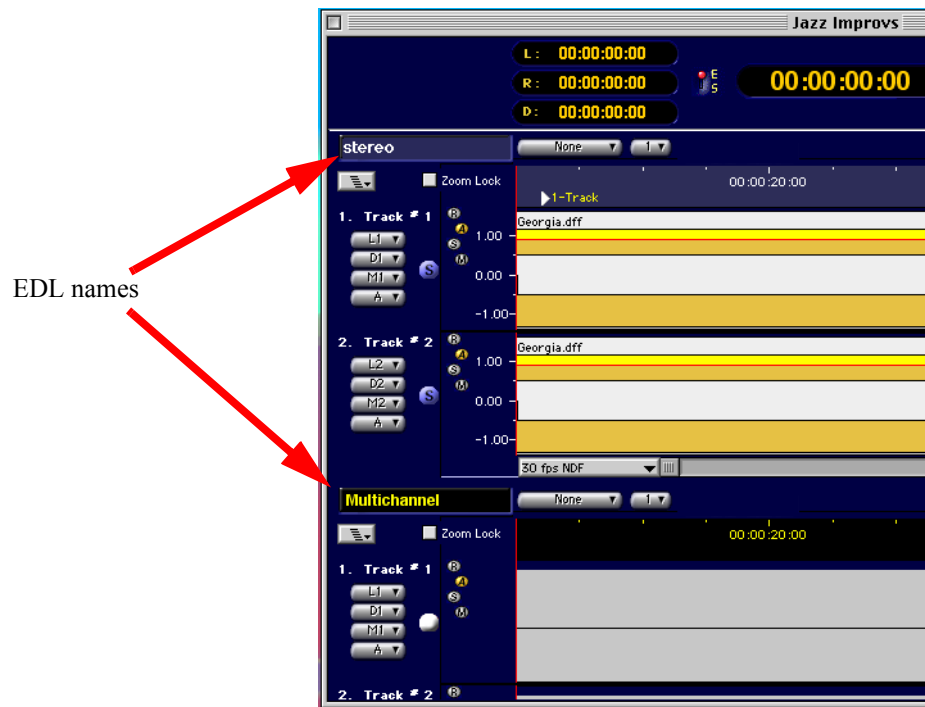


Figure 57

Just double-click in the name box, and type in a new name.

6.2 Changing the number of tracks in an EDL

To add or delete track from an EDL, first select the EDL (see section 3.1.1, *Selecting the active EDL*).

6.2.1 Adding tracks

To add tracks to the active EDL, go to the EDL menu and select New Tracks.



Figure 58

Then select the number of tracks to add.

6.2.2 Deleting tracks

To delete tracks, first select the tracks to be deleted. Do this by clicking anywhere inside the track. The track background will turn from light gray to light blue. To select more than one track, do a Shift-click.

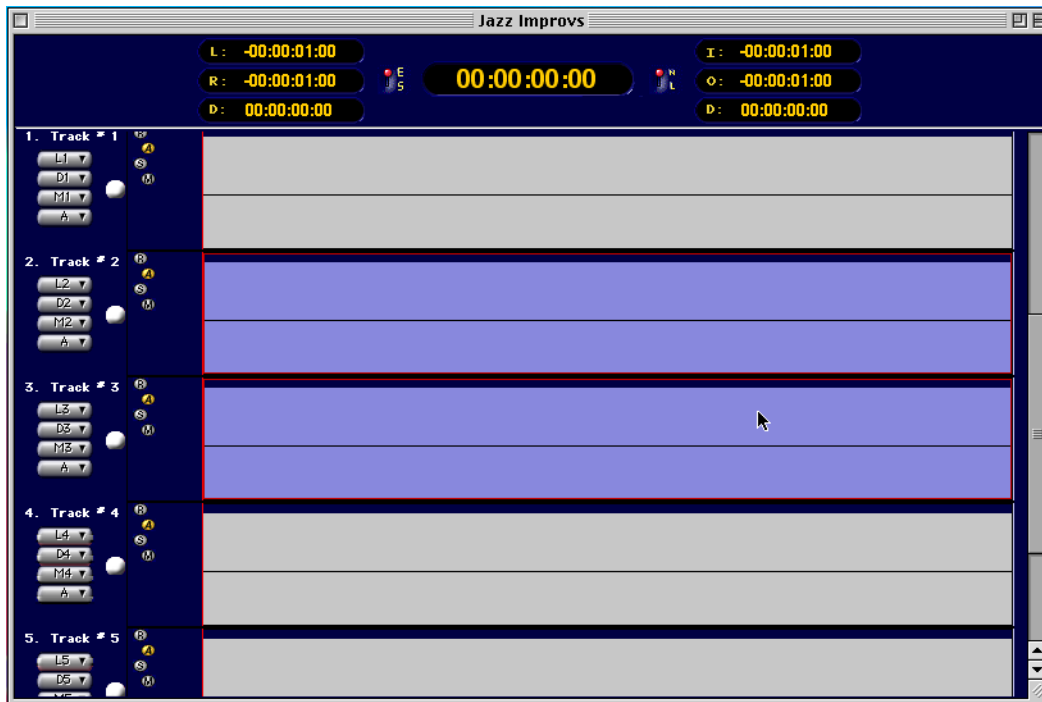


Figure 59

Then go to the EDL menu and select Delete Track.

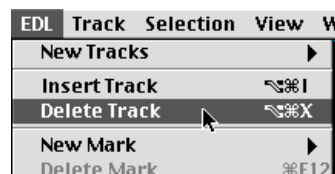


Figure 60

6.3 Saving the new Default Project

Now that you've made the EDL's that you like, you can save them as the default Project for SACD.1. Go to the File menu, and select "Save as Default Project".

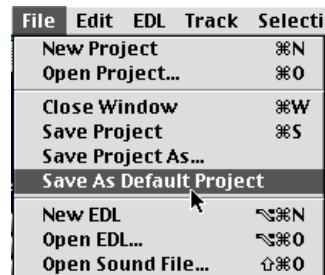


Figure 61

Your customized EDL's are now saved. They will come up everytime you select a "New" project in SACD.1.

- A
 - album
 - genre 17
 - album properties 17
 - album text entry 17
 - album window 15
- area
 - definition 9
 - indicator in title bar 9
 - stereo 27
- area info 25
- C
- CD text 24
- character set 20
- current text channel 16
- Cutting Master
 - destination 33
- D
- Dave
 - networking files 39
- delivery 33
 - buttons 34
 - execute 35
 - window 33
- destination
 - of Cutting Master 33
- device
 - status window 34
- disc
 - genre 24
 - type 24
- disc info 22
- disc properties 23
- DST
 - file 34
- E
- EDL
 - active 4
 - definition 3
 - selecting 4
- eject
 - tape 36
- G
- genre
 - album 17
 - disc 24
 - index 18
 - table 18
- I
- importing
 - DSD sound files 3

- index
 - genre 18
- ISRC code 31
- M
- mark
 - editing 30
 - text 31
 - time 31
- marks 6
- multichannel area 28
- N
- networking files
 - using Dave 39
- O
- opening
 - DSD sound files 3
 - sound file 4
- overview 1
- P
- PQ
 - list 36
 - track sheet 38
 - validity check 32
- properties
 - disc 23
- S
- SACD Info window 8
 - album info 15
 - album properties 17
 - area info 25
 - disc info 22
 - multichannel area 28
 - opening 8
 - tabs 14
- Sonoma users
 - special notes 2
- stereo area 27
- T
- table
 - genre 18
- text
 - CD 24
 - channels 19
- text channel
 - current 16
- text channels 9, 19
- text entry
 - album 17
- text file
 - exporting 12
 - importing 10
- track

time 30
track info 29
track marker 7