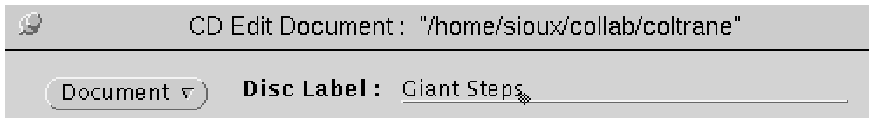

Figure 4-10 Labeling Discs with cdEdit

Finishing Up

When you have completed your edit list of CD selections, you can move on to another media editor or begin to build your finished presentation using the TimeLine editor, which is covered in *Chapter 7, Building Multimedia Documents (TimeLine Editor)*.

Opening and Closing an Existing Edit List

1. Highlight ***Open*** in the ***Document*** menu. This opens the *file browser*.

Note – Alternatively, click the ***Document*** button to open the *file browser*

---

2. Use the *file browser* to find the edit list you wish to open. (For more information on the *File Browser*, see *Chapter 1, Introduction to MAEstro*.)
3. Highlight the file and click on ***Open***. The edit list appears on the edit panel.

Note – cdEdit only opens an edit list if it goes with the currently inserted CD. If you have problems opening an edit list, check that you are using the right CD. Refer to the section on *Labeling Edit Lists with the Name of the CD* for suggestions about labeling.

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4. To close the list and clear the edit panel, select ***Close*** from the ***Document*** menu.

Note – When opening a new list, it is not necessary to close the old one. The new list replaces the old in the panel.

Labeling Edit Lists with the Name of the CD

There is a space on the edit panel where you can type in the name of the CD which goes with your edit list. The location is shown in Figure 4-10. This is for your own reference. If labeling is your last step, be sure to ***Save*** afterwards.

Naming and Saving New Edit Lists

1. Highlight ***Save as*** on the ***Document*** menu. This opens the *file browser*. This process is shown in Figure 4-9.
2. Type the edit list name in ***Current Path*** on the *file browser*.
3. Click on ***Save***. The *file browser* disappears, and your edit list is now named.

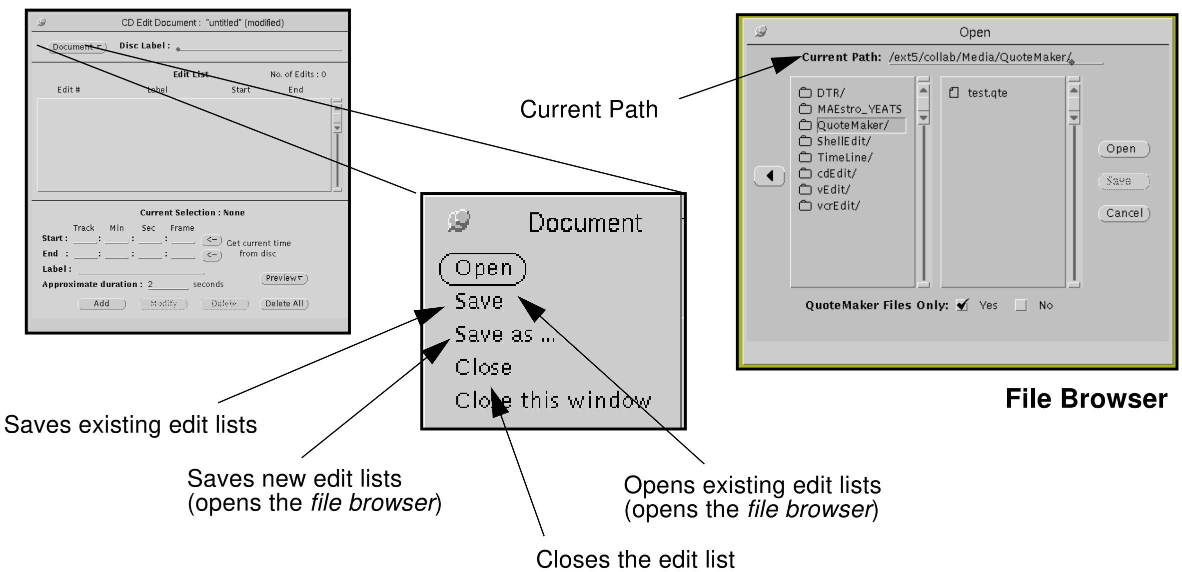

Figure 4-9 Naming and Saving Edit Lists

Saving an Existing Edit List

1. This is the same as saving a new list, except you highlight ***Save*** instead of ***Save as*** on the ***Documents*** menu.
2. The editor asks if you want to overwrite the current edit list. Click on ***yes*** to save the list.

Manipulating Existing Edits and Edit Lists

This section focuses on manipulating existing edit and edit lists. Creating and editing existing material uses many of the editing functions you already know; how to determining a start and end point, adjust volume or balance level, and create a label. This section explains how to perform these additional functions:

- Rename an edit
- Copy an edit
- Remove an edit or an entire edit list
- Naming and saving edit lists
- Opening new edit lists

Renaming Edits

1. Highlight the edit you want to rename.
2. Find the ***Label*** space. Drag-select the old name and delete it.
3. Type in the new name.
4. Click on ***Modify*** to notify cdEdit of the change.

Copying Edits

1. Highlight the edit you want to copy .
2. Click on ***Add*** . The copy having the same name appears at the end of the edit list.
3. Change its name and any other attributes you like.

Removing Edits

1. Highlight the edit you wish to remove.
2. Click on ***Delete*** . The edit is removed.

Removing Edit Lists

1. Clicking on ***Delete all*** removes the current edit list. The editor asks you to confirm the delete.
2. Click on ***yes*** . The entire edit list is removed.

Selecting *Play part of edit* brings up the menu shown in Figure 4-8. From this menu, you can select the number of seconds you want to see, and tell cdEdit whether to play them from the beginning of the edit, or from the end. The default duration is four seconds. You can change this using the scrolling arrows or by typing in a new number.

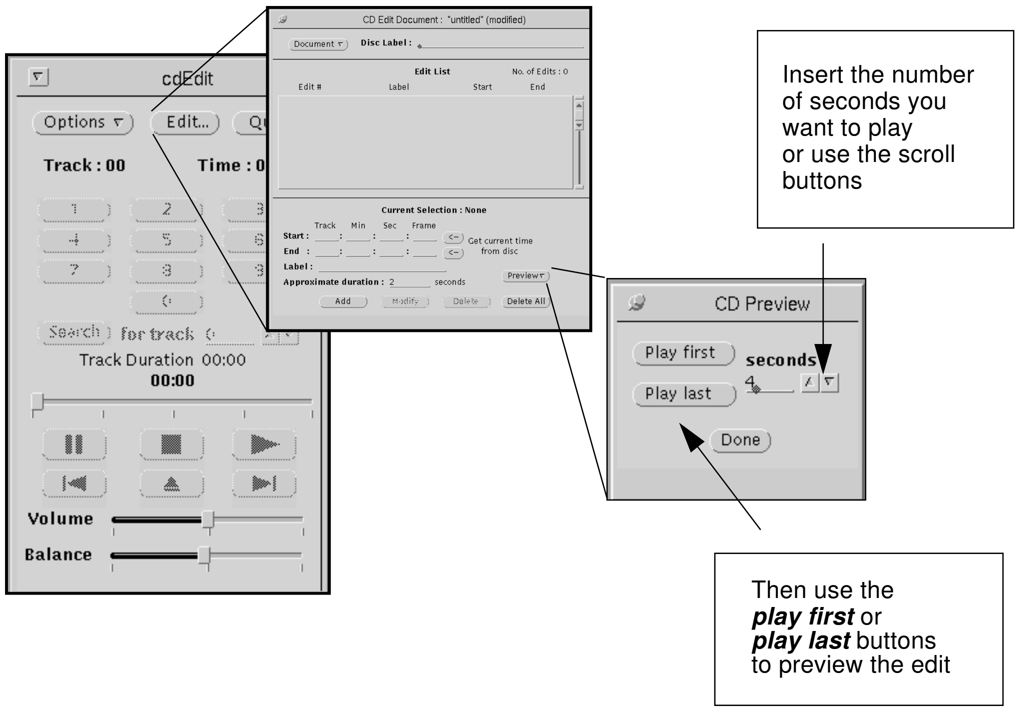

Figure 4-8 The Menu for Playing Part of an Edit

Note – If no edit is highlighted, ***Preview*** plays whatever numbers are currently shown for *Start* and *End*, which could be an edit whose start and end points have been selected but which has not yet been added to the edit. If you want to remove a highlight from the list without highlighting another edit, click on the edit already highlighted.

Step 3: Labeling the Edit

After selecting an edit, you need to save it onto the edit list. To do that, you should assign a name in the space called *Label*, shown in Figure 4-7. The best names are the ones that help you remember the content. The cdEdit editor shows up to 25 characters at a time, and can store up to 256 characters per edit.

Step 4: Adding the Edit to the Edit List

To add the edit to the edit list, click on the ***Add*** button. It appears as a numbered entry as shown in Figure 4-7.

With the first edit added to the edit list, repeat the process for the rest of the edits. Don't worry if the edits aren't perfect; you can modify the edits after you have previewed them.

Note – When you add an edit to the edit list, the current volume and balance settings are added as well, so be sure the settings are correct for playback.

Previewing Edits

Once your edits have been added to the edit list, you may want to play them to see if they need modification. You can play all or part of the edit using the ***Preview*** selection under the ***Edit*** menu. To play all of an edit, use ***Preview***. To play part of an edit, use ***Preview*** to select ***Play part of edit*** from the pop-up menu.

Step 2: Selecting the Start and End Point

There are two buttons, shown in Figure 4-6, that define the start and end point. Start and end points are defined by time, not position. There are two ways to select a start point:

- Play the disc; when you hear the point you want, click on ***Pause***. Then, click on the upper ***Get Current Time*** button.
- You can type values in yourself, if you know the exact location of your edit’s starting point. This is normally done only for fine-tuning an existing edit. If you choose to manually enter start and end points, do not use the ***Get Current Time*** buttons as they will override your values.

To select an end point, continue playing the CD until you hear your end point (or use the search techniques described earlier to skip directly to the end of the edit). Then, click on the lower ***Get Current Time*** button. The numbers for your end point appear on the edit menu.

Figure 4-7 shows an example edit list with the start and end points entered.

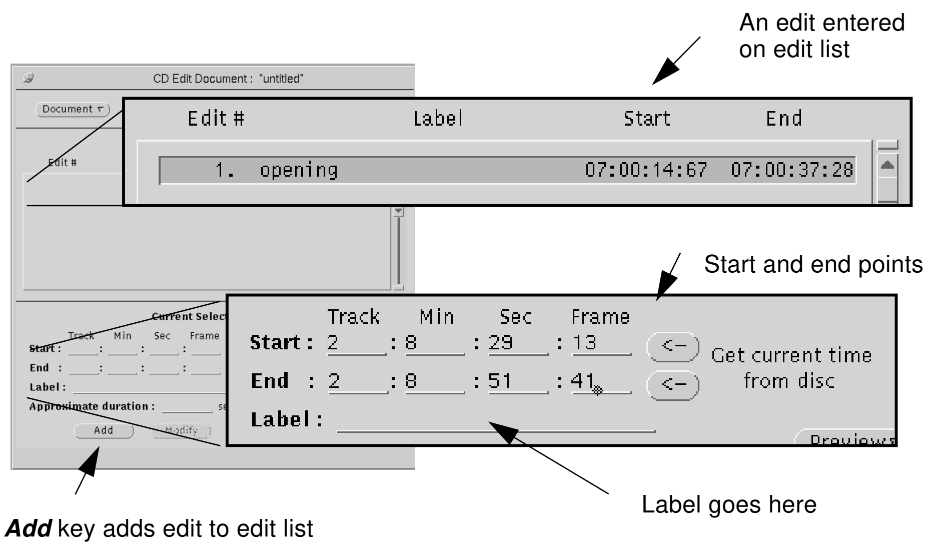

Figure 4-7 Defining an Edit

Step 1: Opening the Edit Panel

Click on the button labelled ***Edit*** at the top of the control panel. This opens a panel shown in Figure 4-6.

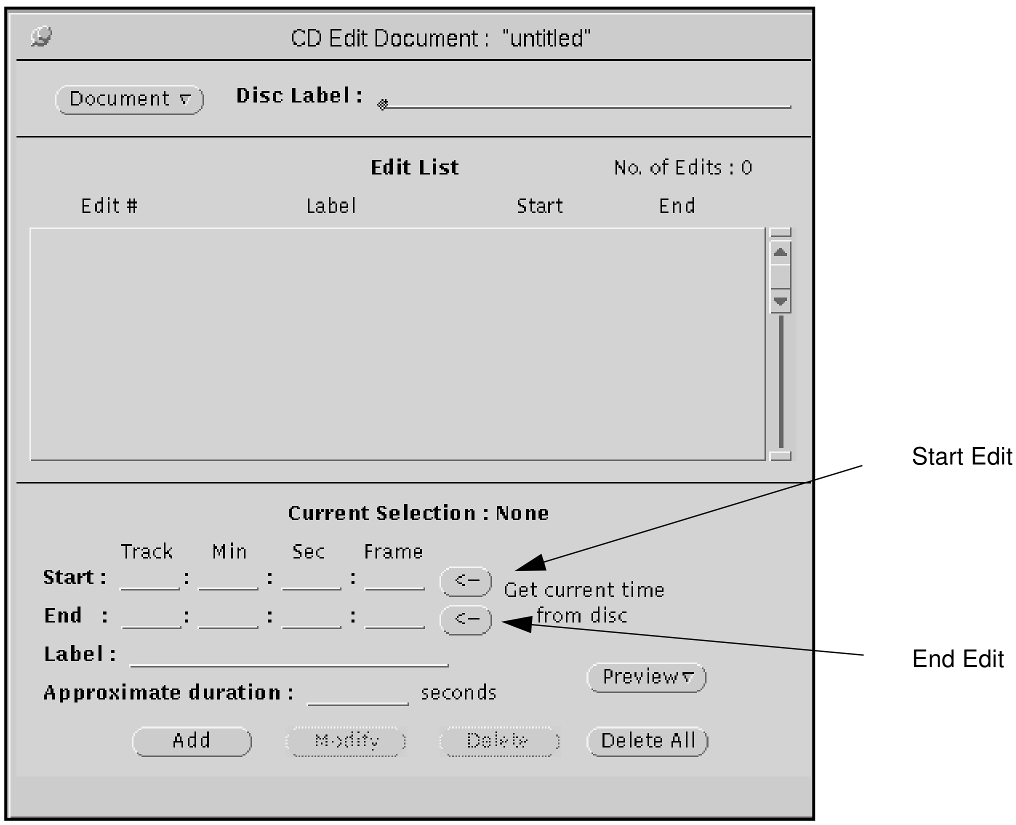

Figure 4-6 Edit Panel for cdEdit

Setting Volume and Balance Levels

To adjust the volume and balance of your edit, use the volume and balance sliders (shown in Figure 4-3). If you increase the volume level, but it still seems to too soft, turn up the volume control on the CD drive itself.

Creating Edits with the Edit Panel

Once you have found the section you wish to grab as an edit, you can use the ***Edit*** panel functions to select the start and end points. Then, you can add them to an edit list for later playback with the T imeLine editor .

Making an edit is accomplished in four steps:

1. Opening the Edit panel
2. Selecting the start point and end point for the edit
3. Labeling the edit
4. Adding the edit to the edit list

To change between track and disc mode, use the *Display T ime* setting under the ***Options*** menu as shown in Figure 4-5

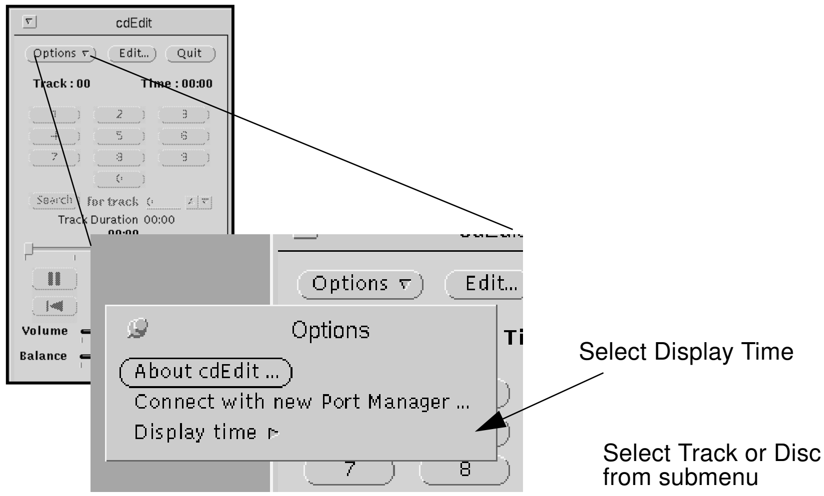

Figure 4-5 Switching Between T rack and Disc Scanning Modes

Note – The slider only displays your position when you are in ***Play*** or ***Pause*** . Clicking on ***Stop*** resets it to the beginning.

Note – The Options menu also contains the *Connect with New Port Manager* entry . This is only needed when you are creating time line presentations with the T imeLine editor . It is covered in *Appendix A, Using the Port Manager* .

To skip through a CD, track by track, in either direction, use the two skip buttons shown in Figure 4-4. They are similar to fast forward and fast reverse on a tape player.

To scan through the CD, use the slider in the middle of the control panel (see Figure 4-4). It also displays where you are in the CD. You can scan by track or by disc:

- In track mode (default) the slider displays where you are within a track and can be used only to move to different points within the current track. It tells how much of the total track has been played.
- In disc mode, the slider displays your position in the CD as a whole and can be used to go to any point in the CD. It shows how much of the entire disc has been played.

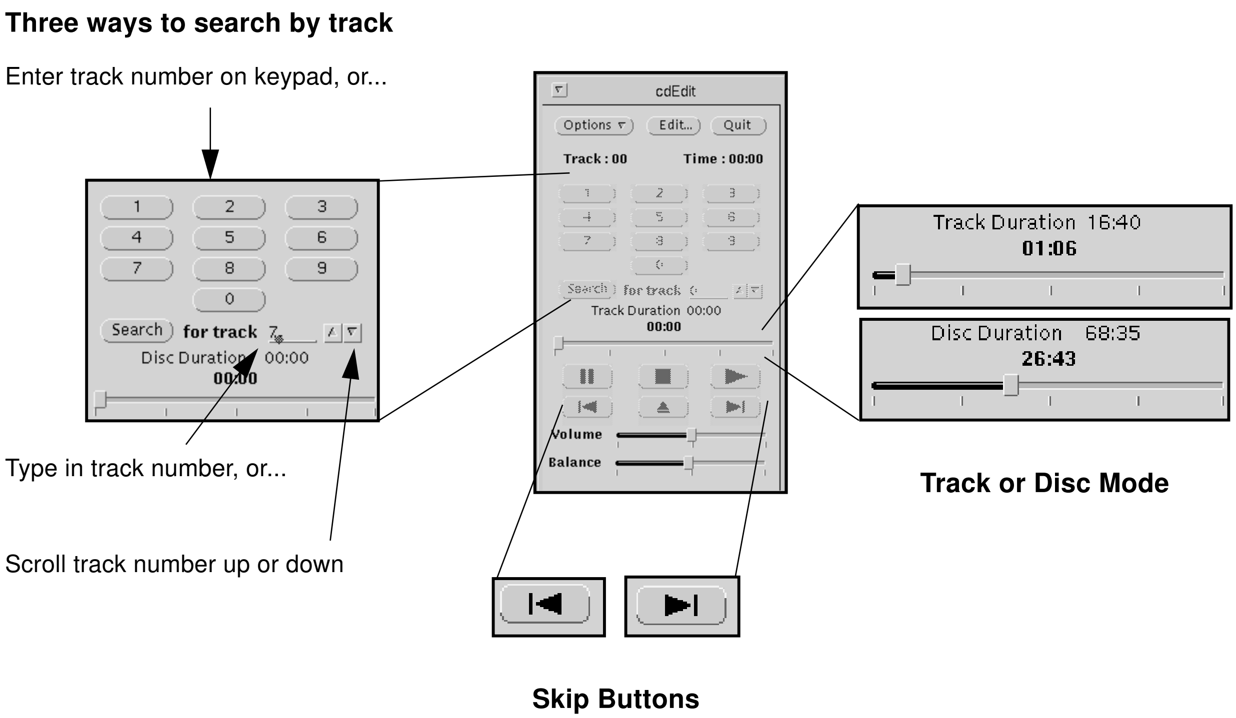

Figure 4-4 Searching, Scanning, Skipping through the CD

Playing, Pausing, and Stopping

Use the buttons on the control panel to control playing, pausing, and stopping.

Use the ***Play*** button to begin playing your CD. When you click on ***Play***, a green blinking light appears on the button, the timer begins running, and the scan slider begins to move. If they do not, you may not have the CD properly installed. You can tell by the color of the buttons, as mentioned earlier.

If the CD is playing and you don't hear music, you may not have a speaker attached or the volume level may be too low either on the control panel or on the CD drive itself.

Use the ***Pause*** button to halt and resume play. When paused, a green blinking light appears on the button to remind you.

Note – You might hear a thumping sound as CDs pause and resume playing. This is a just the way CDs operate; you cannot adjust it.

Clicking on ***Stop*** halts the playing of the CD and returns the CD either to the beginning of the track or the beginning of the disc, depending on which mode you are in. (See the section on *Searching, Scanning, and Skipping* for mode information.)

Searching, Scanning, and Skipping

To search for the part of the CD you wish to select, you can either enter the track number if you know it, skip around by tracks, or scan the CD until you come to the part you like. The CD must be playing or paused.

There are three ways to go directly to a track number. See Figure 4-4 for locations:

- Type in a track number
- Click on the keypad to enter a track number
- Click on the arrow buttons to increase or decrease the number

After entering a track number, click on ***Search***, and the CD player goes to that track and begins playing.

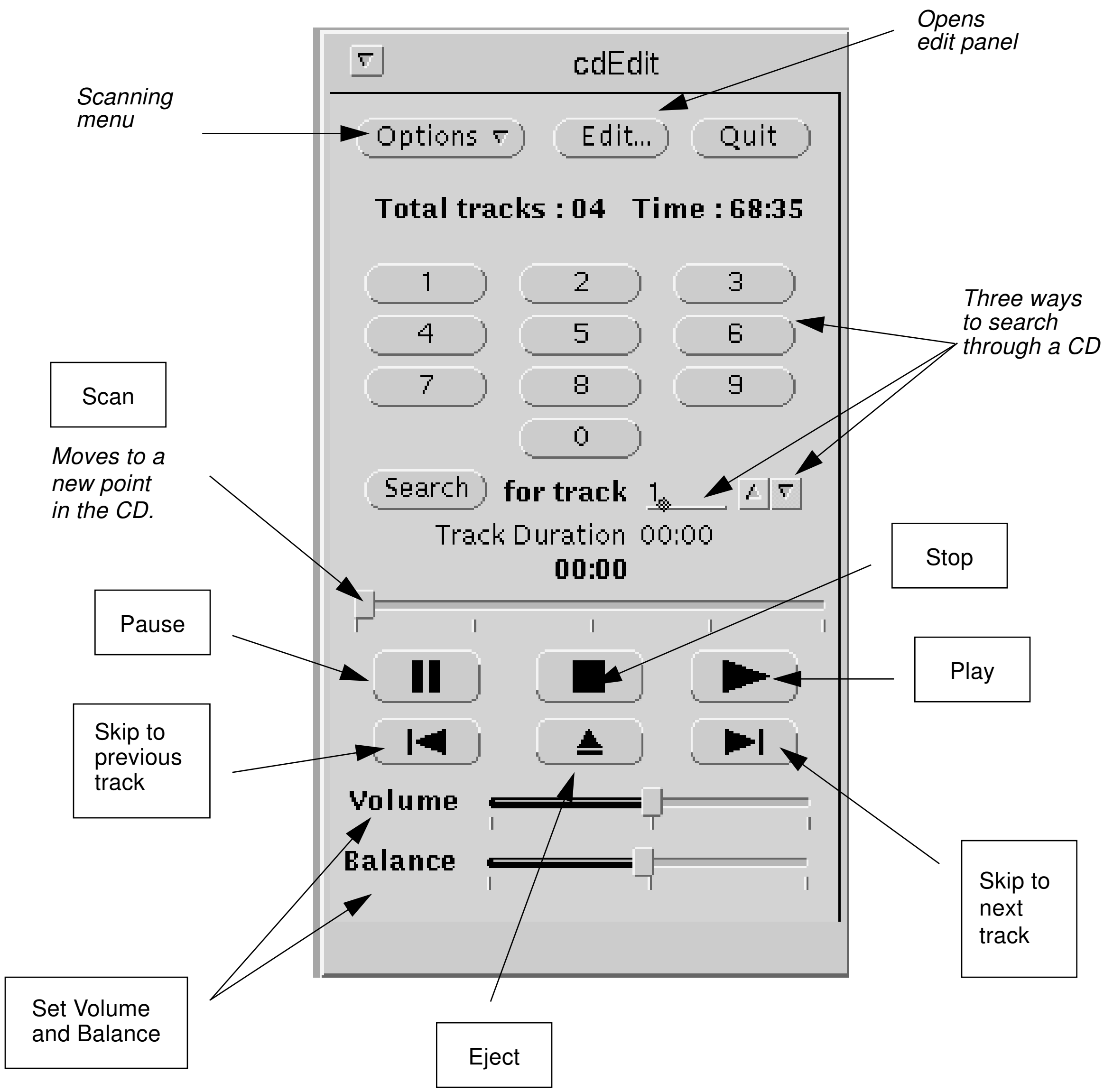

Figure 4-3 Details of the cdEdit control panel

Using cdEdit to Create Edits

This section explains how to use cdEdit control panel, and how to grab sections of CD material as edits for an edit list. Specifically, it covers:

- Using the control panel to play, search for material, and set volume and balance
- Creating new edits with the edit menu
- Previewing edits
- Modifying existing edits and edit lists (naming, copying, removing, saving, and opening)
- Labeling edit lists with the name of the CD

Using the Control Panel

All of the operations of the CD player can be controlled from the on-screen control panel. Figure 4-3 shows the panel and the functions of each button.

Inserting and Ejecting the CD

Unlike a consumer CD player, to use a CD in a CD-ROM drive you need a CD caddy. This is a special holder that either came with your drive or that you can get from your system administrator. Place the CD, label side up, into the caddy and insert it into the player.

To eject the disc, click on the ***eject*** button shown Figure 4-2.

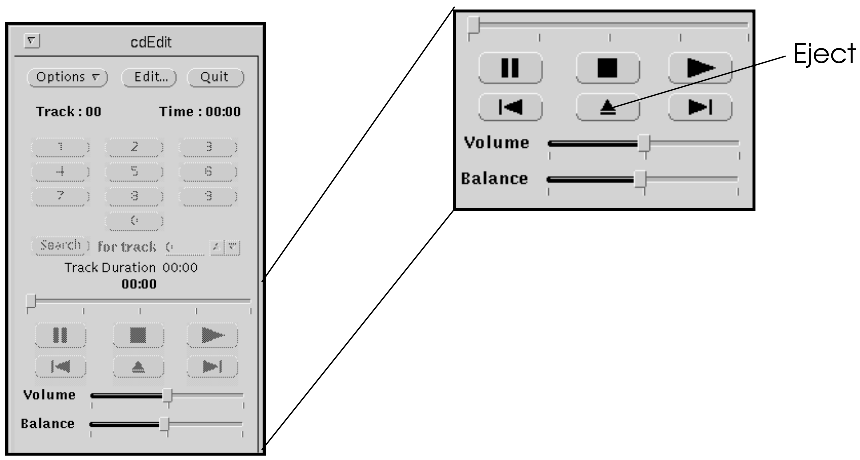

Figure 4-2 The Eject Button on the Control Panel

Note – The buttons on the control panel appear greyish until a CD is inserted. When a disc is in, the buttons become black.

Hardware Requirements

These instructions presume that you already have a Sun CD-ROM drive (or CD player) either attached to your workstation or accessible over the network via remote login. If you need more information on this, see the *SPARCstation Installation Guide*.

The CD drive has no internal speaker, so to listen to any material you need headphones or an external speaker. These are attached to the stereo mini-jack on the CD player.

Invoking cdEdit

After installing the hardware, logging in to your workstation, and changing to the appropriate directory, invoke cdEdit by typing this command at the prompt of any shell window:

```
cdEdit &
```

After a few seconds the cdEdit control panel appears on your screen as shown in Figure 4-1. Figure 4-1 also shows the cdEdit icon.

cdEdit Icon

cdEdit Control Panel

Figure 4-1 The cdEdit Icon and Control Panel

Chapter 4, Working with Audio on CDs (cdEdit)

This chapter describes how to incorporate music and sound from digital audio compact discs (CDs) into a multimedia presentation. The media editor provided by MAEstro for working with CD players is cdEdit. You can also record and playback digitized audio using the built-in audio capabilities of the workstation, covered in *Chapter 5, Working with Audio on Tape (Digital Tape Recorder).* This chapter explains how to invoke cdEdit and provides step-by-step instructions for creating edits.

About cdEdit

The cdEdit media editor controls the operation of the CD-ROM drive attached to the workstation. It lets you select start and end points for sections of music and store these choices as edits on a list. You can then use the TimeLine editor to put the audio edits into a time line presentation for playback. Here is a list of the specific things you can do with cdEdit:

- Play CDs
- Choose sections from the CD
- Set volume level and stereo balance
- Add selections to an edit list for later playback
- Preview all or part of your edits
- Name and save edits and lists

Getting Started

This section explains how to set up cdEdit, and covers:

- Hardware requirements
- Invoking cdEdit
- Inserting and ejecting the CD