On Air Scheduler User's Manual Supplement A

Using OAS with RadioSuite HD and Single-Player CD Changers

The On Air Scheduler, formerly known as the TM Century Scheduler, was designed by TM Century as an easy way for UDS clients to schedule music stored in CD changers. At the time, most UDS systems were made up of single-player CD changers which required source protection. Source protection prevents two songs from the same player from being scheduled back-to-back unless the CD changer has sufficient time to reload between plays.

Later, dual-player CD changers that held many more CDs and did not require protection from source conflicts came to the fore. TM Century Scheduler was updated to permit the disabling of source protection during scheduling on a system-wide basis. Indeed, since all of the music in the system would share a single source number, disabling source protection is a must. This is still the ideal setting if you are using the RadioSuite HD, with or without a dual-player CD changer.

Now that you have the speed and power of the RadioSuite HD at your station, On Air Digital recommends that you retire your single-player CD changers and play all of your music from the hard drive system. However, if you wish to mix single-player CD changers such as the Sony CDK-006 60-disc changer or the NSM-3101 100-disc changer (which require source protection) with the RadioSuite HD or dual-player CD changers (which do not require source protection) then you must follow the suggestions and instructions in this supplement.

Steps to Complete Before You Can Use OAS with RadioSuite HD and Single-Player CD Changers:

- Categorize your music to separate music in the single-player CD changers from the music stored on the RadioSuite HD. This is explained in *Categorizing Your Music* beginning on page A-2.

- Update the OAS scheduling clocks to reflect the new categories. This is explained in *Adding New Categories to Clocks* beginning on page A-12.

- Disable source protection in OAS or by position in select scheduling clocks to allow OAS to realize the capabilities of the RadioSuite HD. This is detailed in *Disabling Source Protection* beginning on page A-18.

Categorizing Your Music

You must create a new category for the music you wish to play from the CD changers, move these songs from the existing category to this new category, then examine the results before proceeding to alter your scheduling clocks. Each step is explained in detail below and on the pages that follow.

1. **Create a new category to hold the songs stored in CD changers.**

   a. From the Main menu of On Air Scheduler, press F to select `Format Management (Clocks/Breaknotes)`.

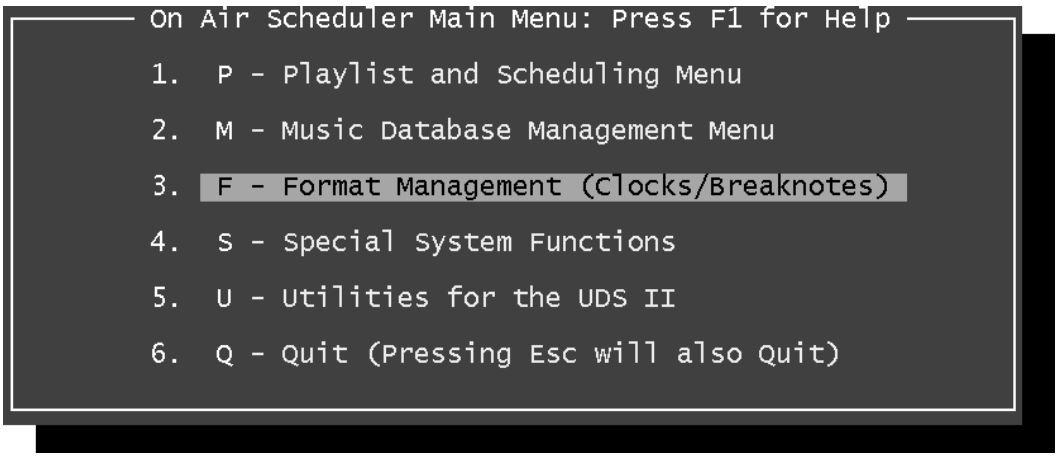

Figure 1— On Air Scheduler Main Menu

   b. From the Format Management menu, press M to select `Music Category Management`.

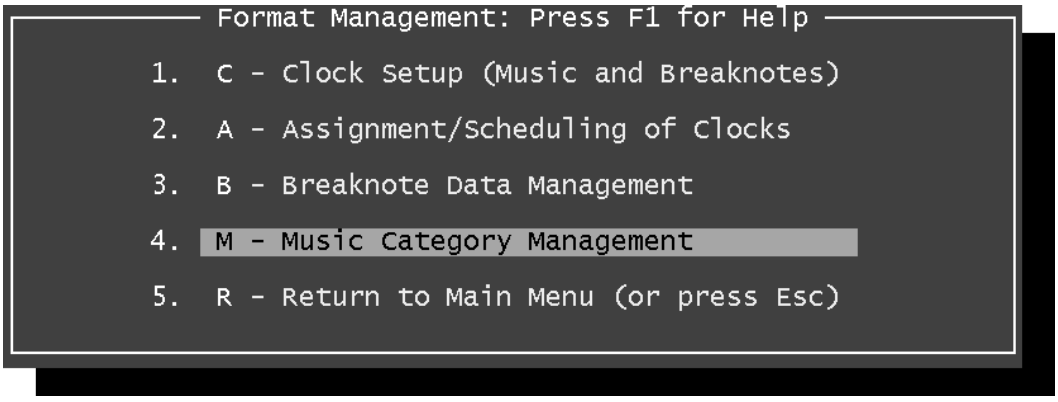

Figure 2— Format Management Menu

Categorizing Your Music, continued

c. Press ↹ (Tab) to move the cursor to the first available category name. Be sure that the Name field is blank that the number in the Songs field is 0. Otherwise, you might disrupt an existing category that was created and improperly left unnamed.

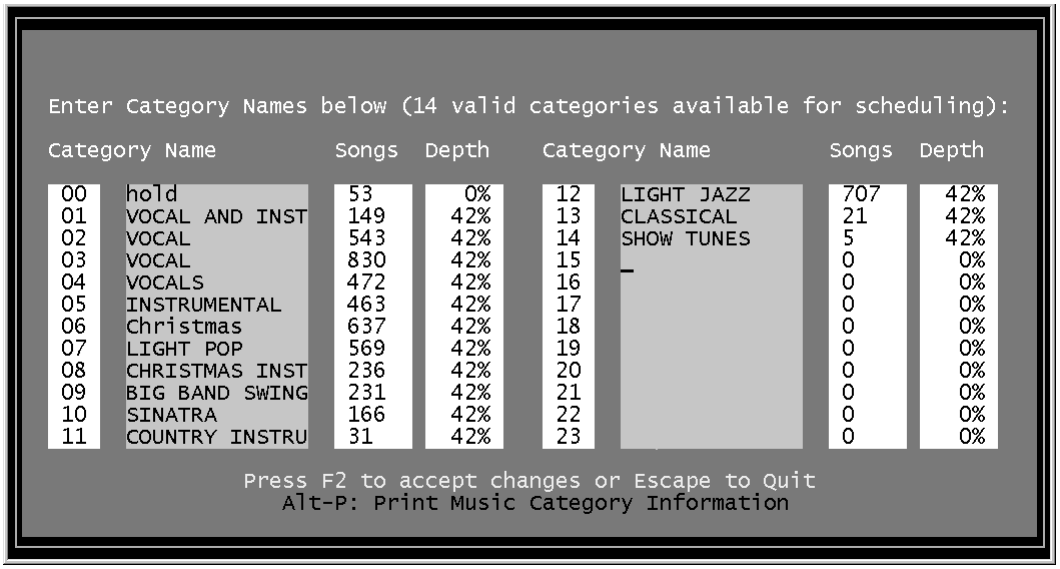

Figure 3— Category Names, initial

d. Type the name of the new category.

In this example, we added "Swing Jukebox" to hold the current "Big Band Swing" songs stored in the CD changers.

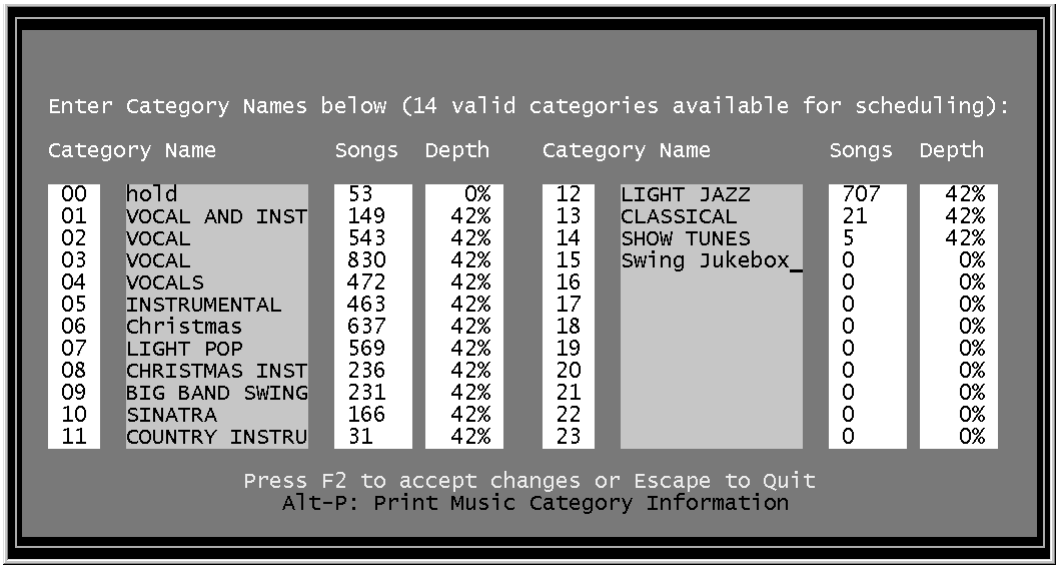

Figure 4— Category Names, entry

Categorizing Your Music, continued

e. Press F2 to save the new category name.

Successful saving is indicated by display of the "Category Names Saved" message near the bottom of the screen.

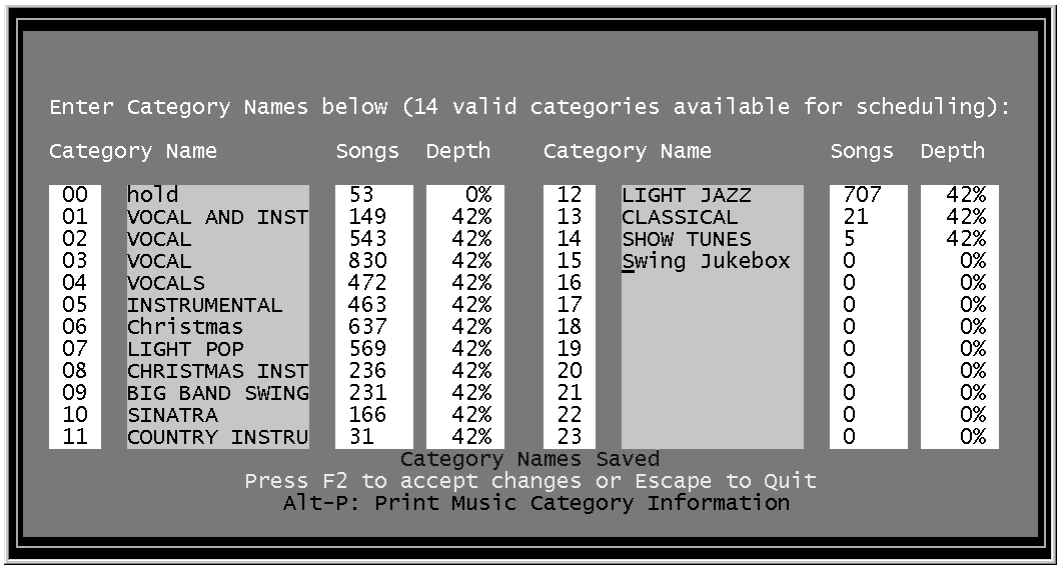

Figure 5— Category Names, saved

f. Press ESC twice to return to the Main menu of On Air Scheduler.

Categorizing Your Music, continued

2. **Move these songs from the existing category to the new category you have named.**

   a. From the Main menu, press M to select `Music Database Management`.

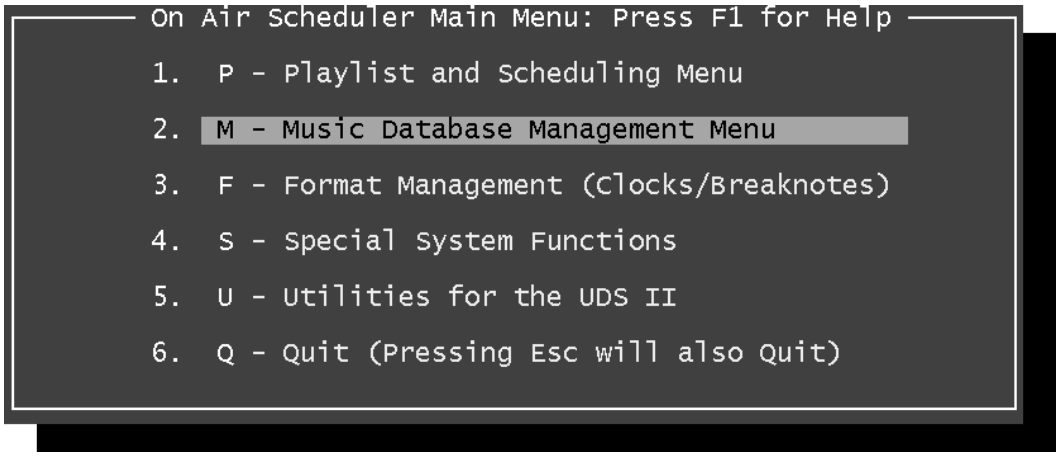

Figure 6— On Air Scheduler Main Menu

   b. From the Music Database Management menu, press L to select `List Songs for Selectable Tagging`.

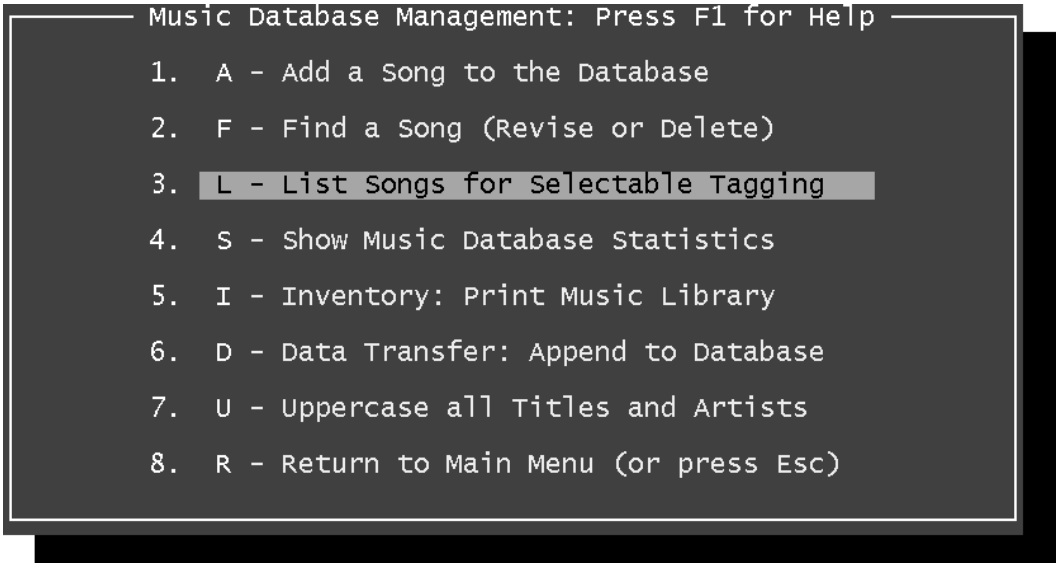

Figure 7--Music Database Management Menu

Categorizing Your Music, continued

c. In the List Songs for Selectable Tagging window, you will see that the `Disc ID` field is highlighted in blue to indicate that this is the current working field.

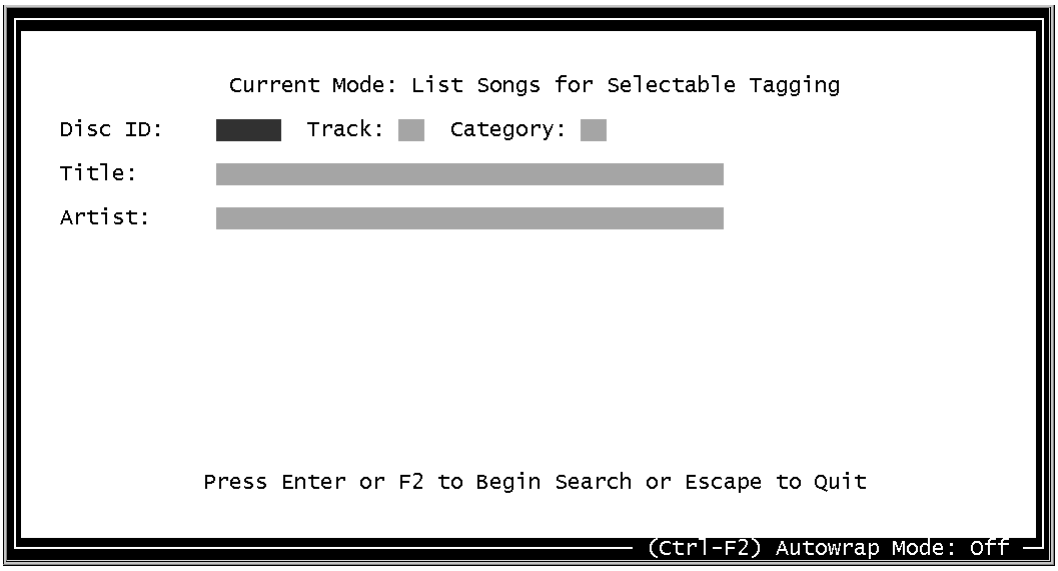

Figure 8— List Songs for Selectable Tagging Screen

d. Press ⇥ (Tab) twice to highlight the `Category` field then press F3 to display a list of available categories.

e. Use the ↑ and ↓ arrow keys to locate the original category from which you are going to move songs then press ENTER once to select this category.

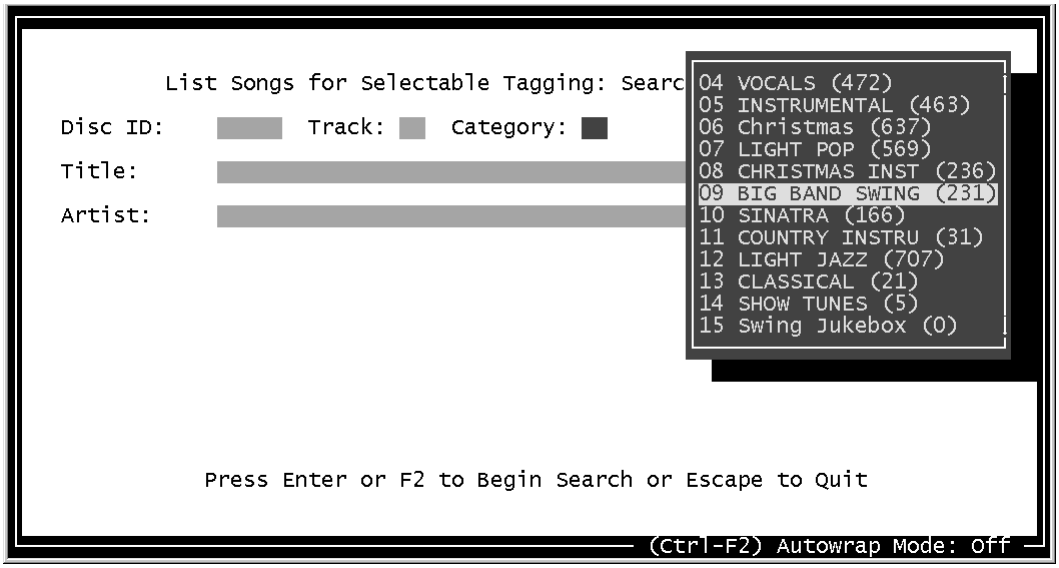

Figure 9— List Songs for Selectable Tagging Screen, Choose a Category

Categorizing Your Music, continued

f. With the category selected, press ENTER twice to accept the default parameters and begin the search .

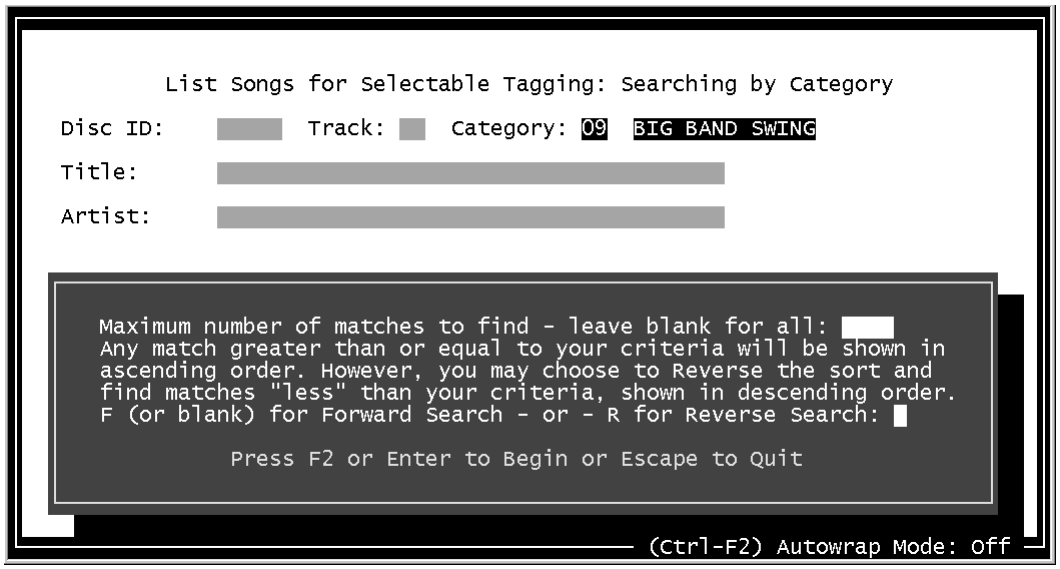

Figure 10— List Songs for Selectable Tagging Screen, Begin the Search

g. Wait a moment as the On Air Scheduler searches the music database for songs in the specified category. Search progress is displayed in a box in the center of the screen.

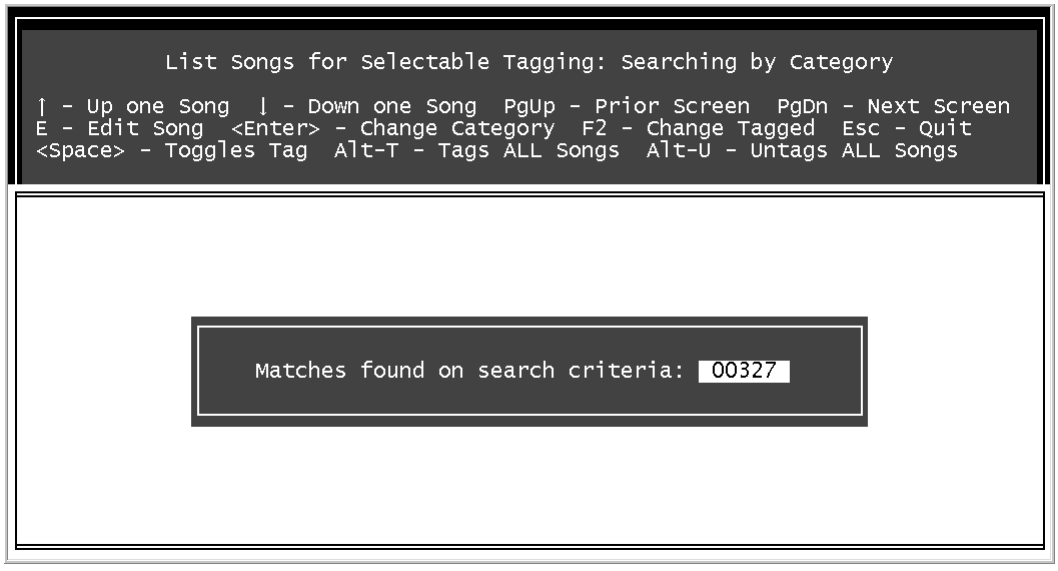

Figure 11— List Songs for Selectable Tagging List, Search in Progress

Categorizing Your Music, continued

h. Use the ↑ and ↓ arrow keys to locate a song stored on CD, easily distinguished from a song on RadioSuite HD by the track number, then press SPACE once to tag this song. A tagged song will be indicated with a series of red arrows pointing at each field. Repeat this until every song stored on CD in this category has been tagged.

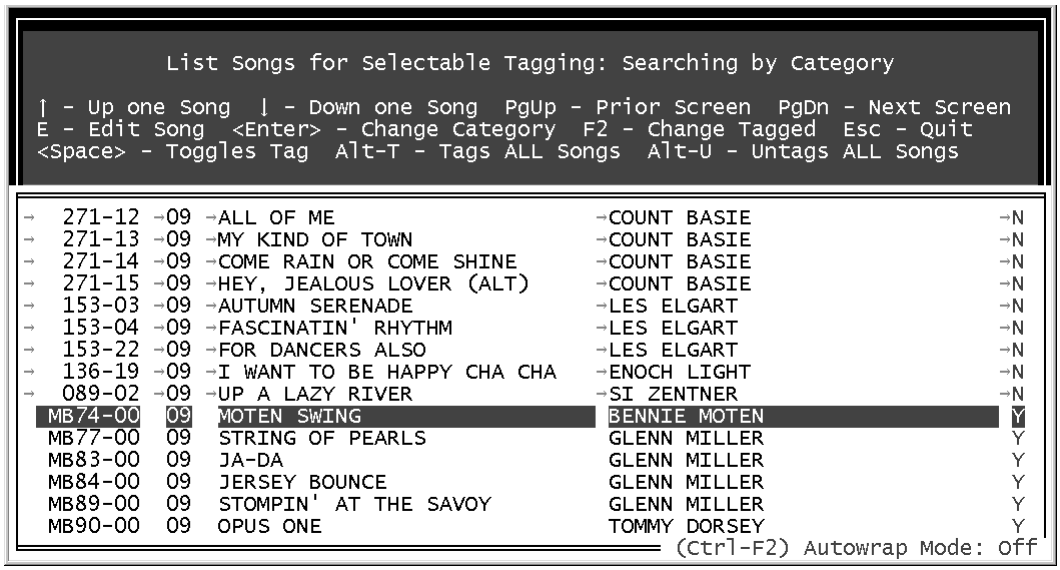

Figure 12— List Songs for Selectable Tagging List, Tagging Songs for Change

i. Press F2 to begin the category change process.

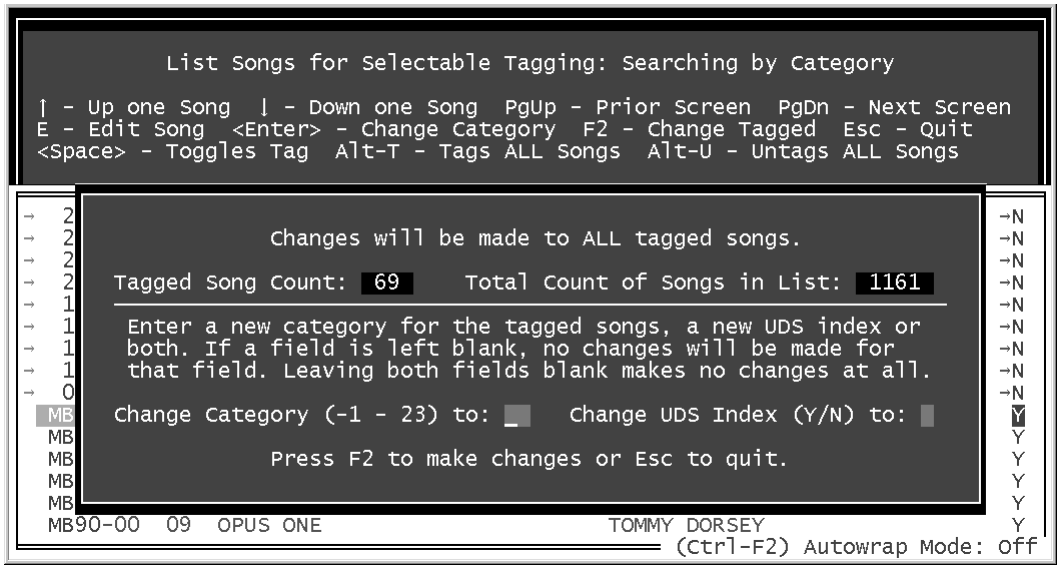

Figure 13— List Songs for Selectable Tagging List, Changing Tagged Songs

Categorizing Your Music, continued

j. Press F3 to display a list of available categories. Use the ↑ and ↓ arrow keys to highlight the new category you designated to hold these songs from this list.

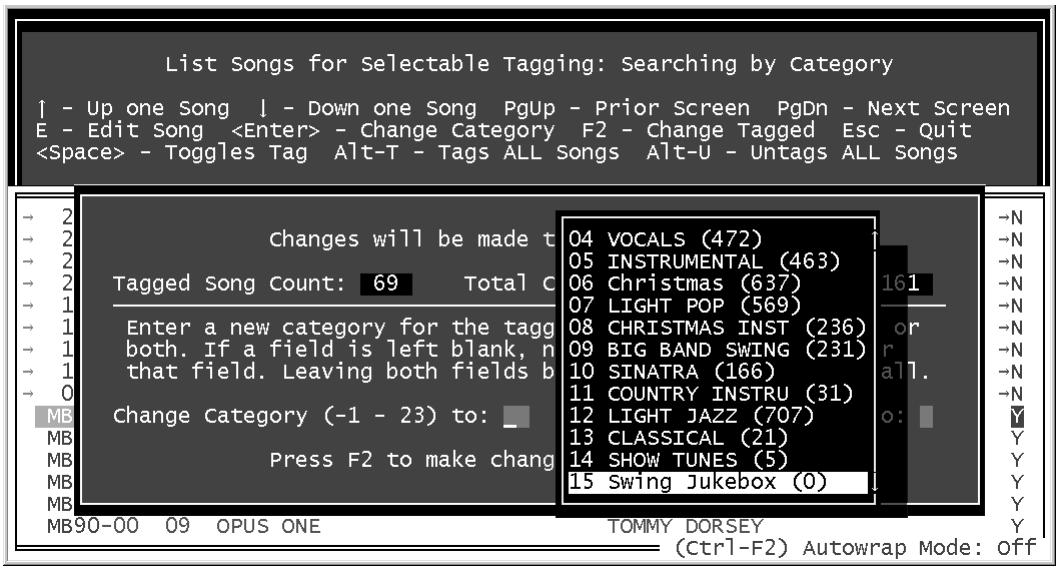

Figure 14— List Songs for Selectable Tagging List, Choosing a Category

k. Press ENTER to select this category and return to the changes window. The `Change Category` field is filled with the number of the category you have selected.

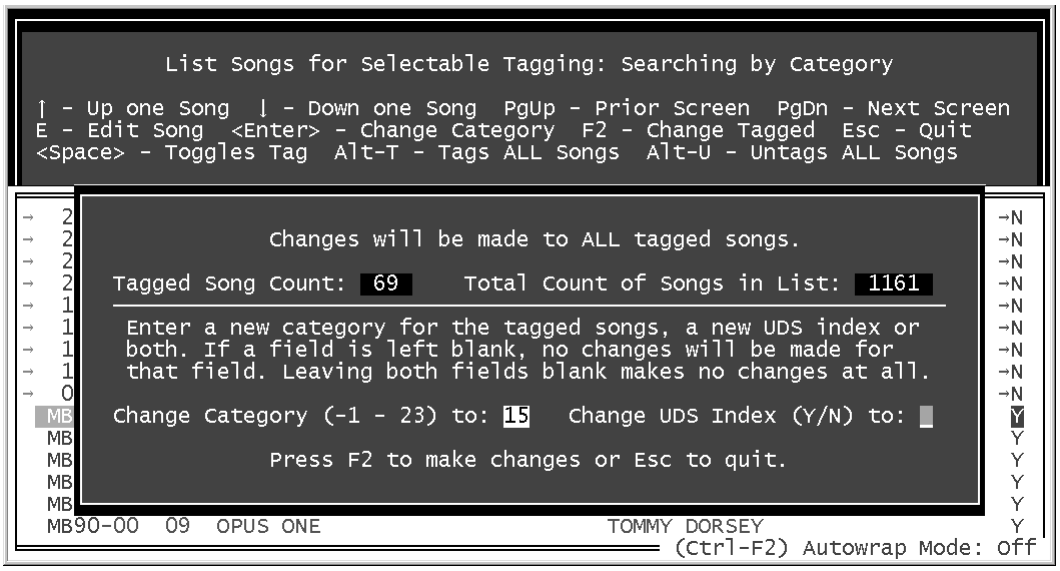

Figure 15— List Songs for Selectable Tagging List, Category Chosen

Categorizing Your Music, continued

l. Press F2 to begin the category change process. The process is complete when the number of total changes made equals the number of songs tagged.

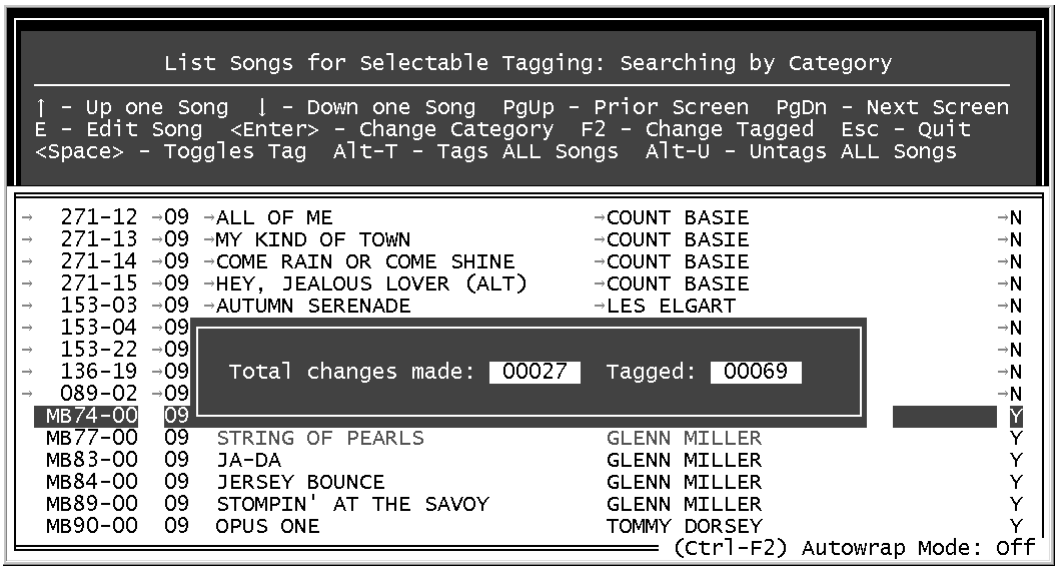

Figure 16— List Songs for Selectable Tagging List, Changes in Progress

m. When the change process is complete, the screen returns to the song list. All of the songs you had tagged are no longer tagged and now show the new category number.

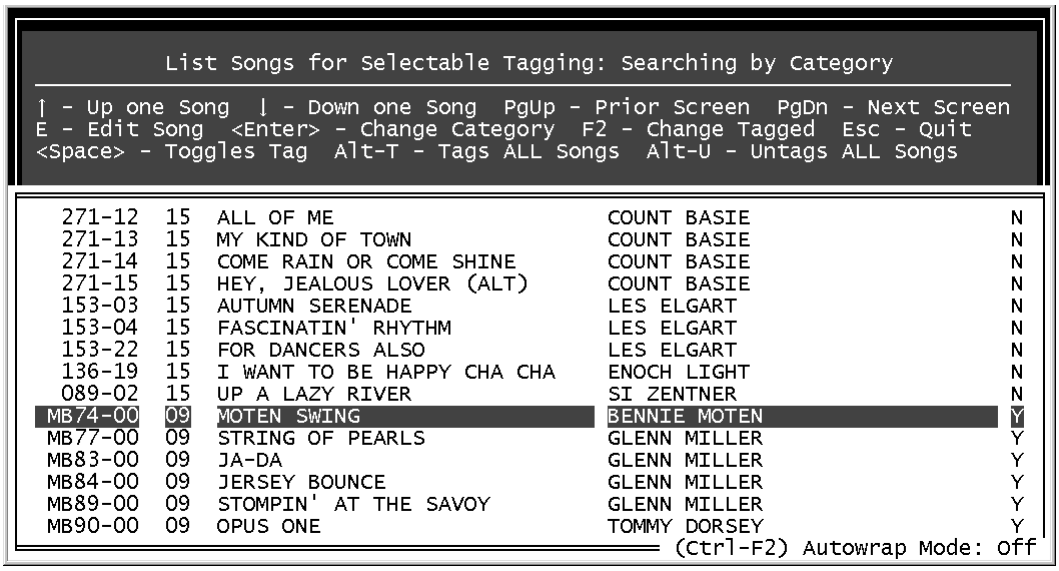

Figure 17— List Songs for Selectable Tagging List, Changes Complete

n. Press ESC twice to return to the Music Database Management menu.

Categorizing Your Music, continued

3. **Examine the results of this song movement before proceeding.**

   a. From the Music Database Management menu, press S to select `Show Music Database Statistics`.

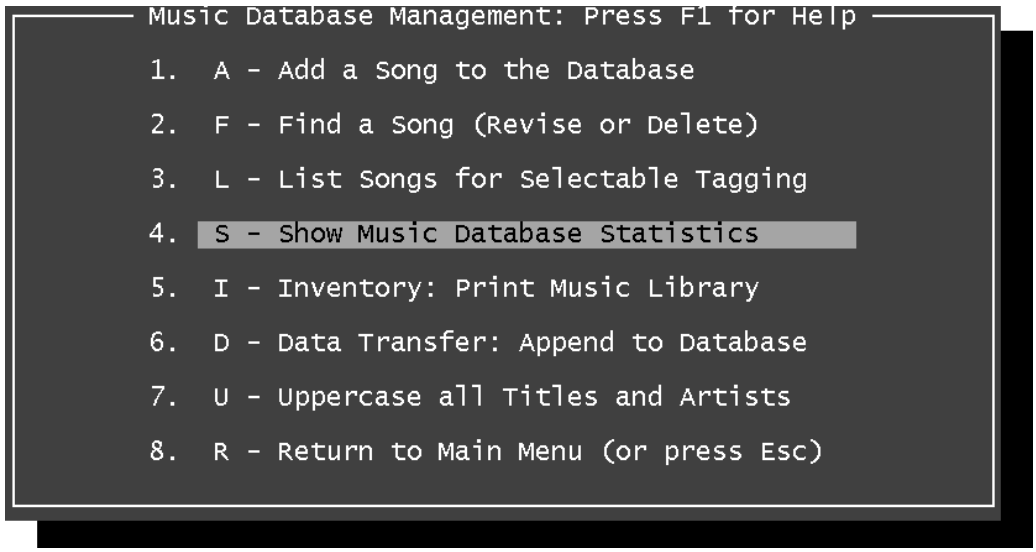

Figure 18— Music Database Management Menu

   b. Examine the original and new categories to make sure they each contain the number of songs you expected. If the new category is smaller than expected, repeat step 2 and take special care to tag all of the songs on CD still in the original category.

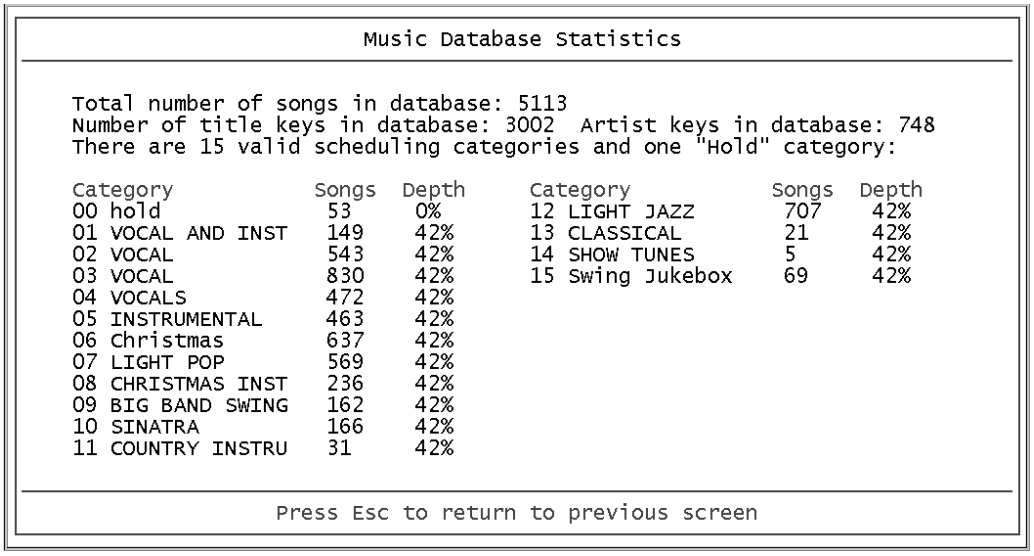

Figure 19— Music Database Statistics Screen

   c. Press ESC twice to return to the Main menu.

Adding New Categories to Clocks

Once the new category has been created and filled, you must update the scheduling clocks to replace some of the original category positions with the new category.

IMPORTANT: To ensure equal rotation of songs in the original and new categories, take care to schedule the new category in place of the original category in proportion to the number of songs in the new category compared to the remaining original category.

For example, if you have 70 songs in the new category and about 175 songs remaining in the original category, you have a 2 to 5 ratio so you would replace two out of every seven instances of the original category in your clocks. This will leave five instances of the original category in the clocks and your music rotation will be balanced.

Original Clock	Updated Clock
Legal ID	Legal ID
Song - **BIG BAND SWING** category	Song - **BIG BAND SWING** category
Song - **BIG BAND SWING** category	Song - ***SWING JUKEBOX*** category
Song - **BIG BAND SWING** category	Song - **BIG BAND SWING** category
Sweeper	Sweeper
Song - **BIG BAND SWING** category	Song - **BIG BAND SWING** category
Song - **BIG BAND SWING** category	Song - **BIG BAND SWING** category
Song - **BIG BAND SWING** category	Song - ***SWING JUKEBOX*** category
Song - **BIG BAND SWING** category	Song - **BIG BAND SWING** category

NOTE: You will need to keep an eye on the ratio of songs in the new category to the old category. Over time, as you add more songs to the RadioSuite HD-only original category, you will likely need to reduce the number of times the CD changer-only new category is scheduled to keep the scheduling of the categories in rough proportion to their sizes.

Adding New Categories to Clocks, continued

1. From the Main menu of the On Air Scheduler, press F to select `Format Management (Clocks/Breaknotes)`.

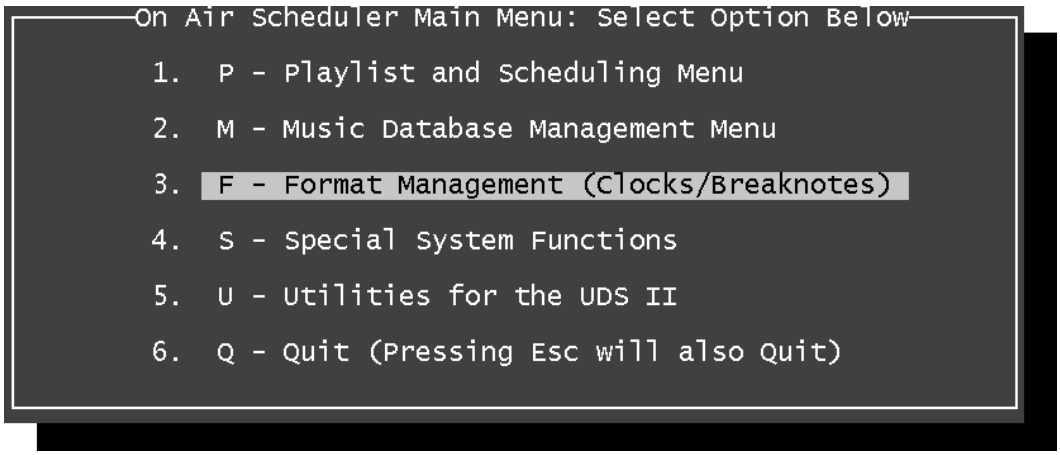

Figure 20— On Air Scheduler Main Menu

2. From the Format Management menu, press C to `Clock Setup (Music and Breaknotes)`.

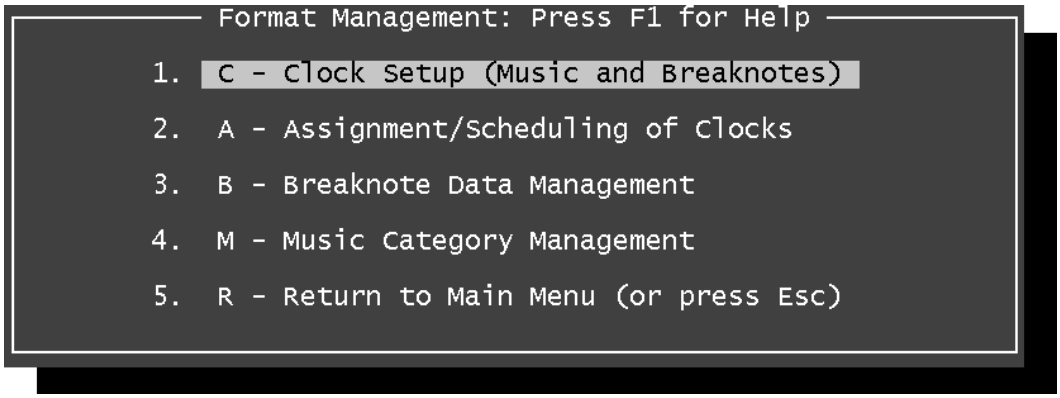

Figure 21— Format Management Menu

Adding New Categories to Clocks, continued

3. Observe the Clock Creation and Editing screen. This screen shows how many clocks are stored by the On Air Scheduler. It would be prudent to examine each clock to ensure that no uses of the original category are left unaccounted for when you are replacing them with the new category. Otherwise, rotation imbalance may occur between the categories.

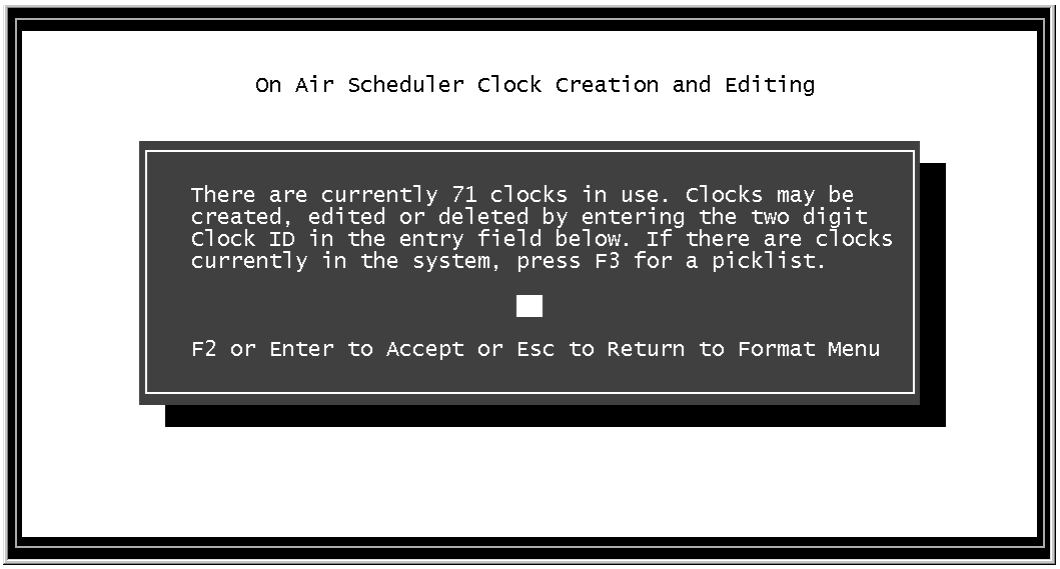

Figure 22— Clock Creation and Editing Screen, begin

4. Press F3 to display a list of scheduling clocks, sorted by clock number. Use the ↑ and ↓ arrow keys to highlight the clock you wish to edit then press ENTER to select this clock from the picklist. The clock number will be entered into the field.

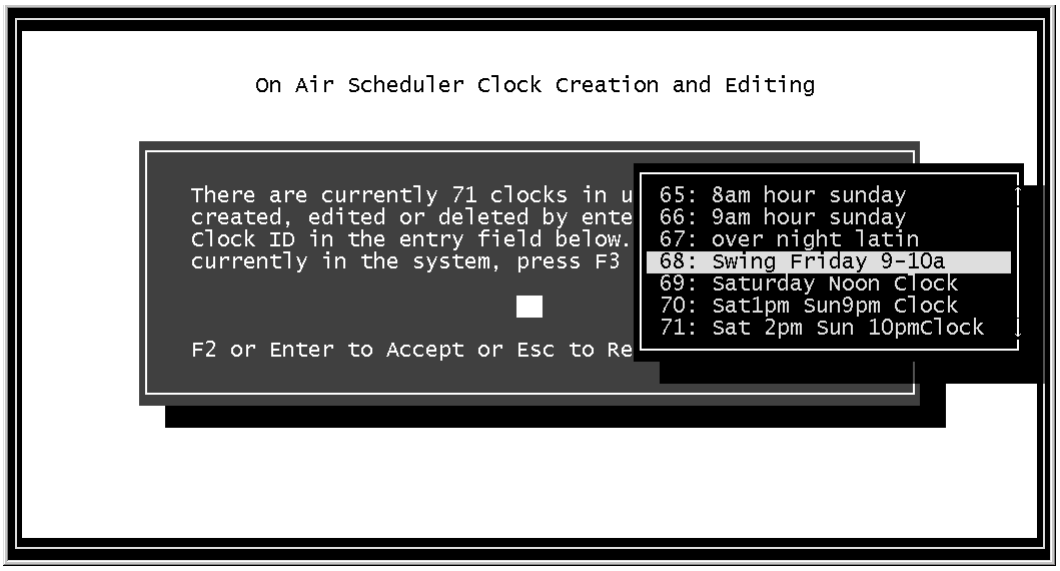

Figure 23— Clock Creation and Editing Screen, picklist

Adding New Categories to Clocks, continued

5. Press ENTER or F2 to accept this entry and begin editing the selected clock.

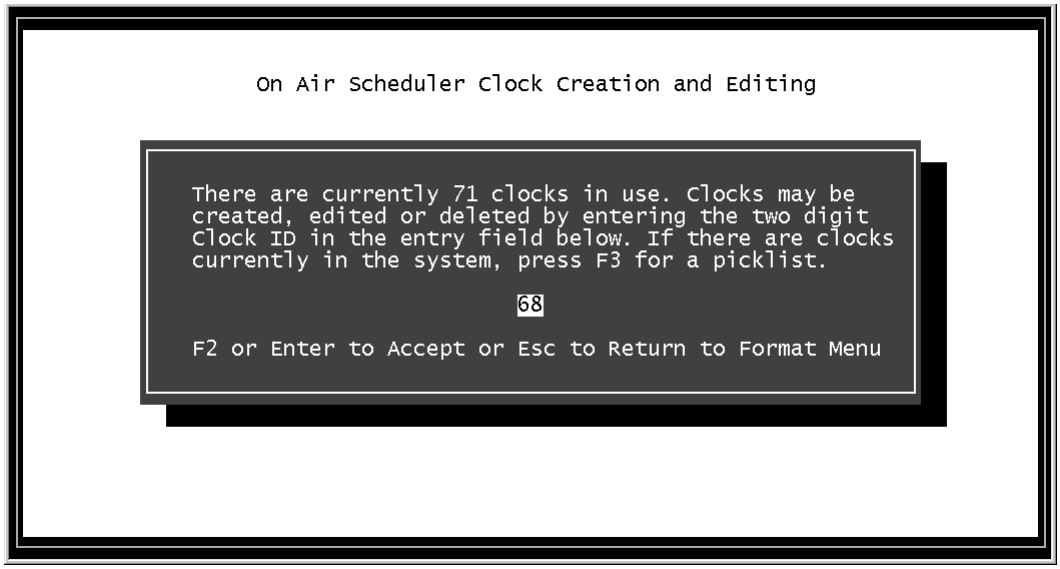

Figure 24— Clock Creation and Editing Screen, number entered

6. Observe the scheduling clock and note the number of times the original category is used. Use the ↑ and ↓ arrow keys to move the highlight bar so that you might observe the whole clock. Use this number to calculate a proportionate number of original category entries to be replaced with the new category.

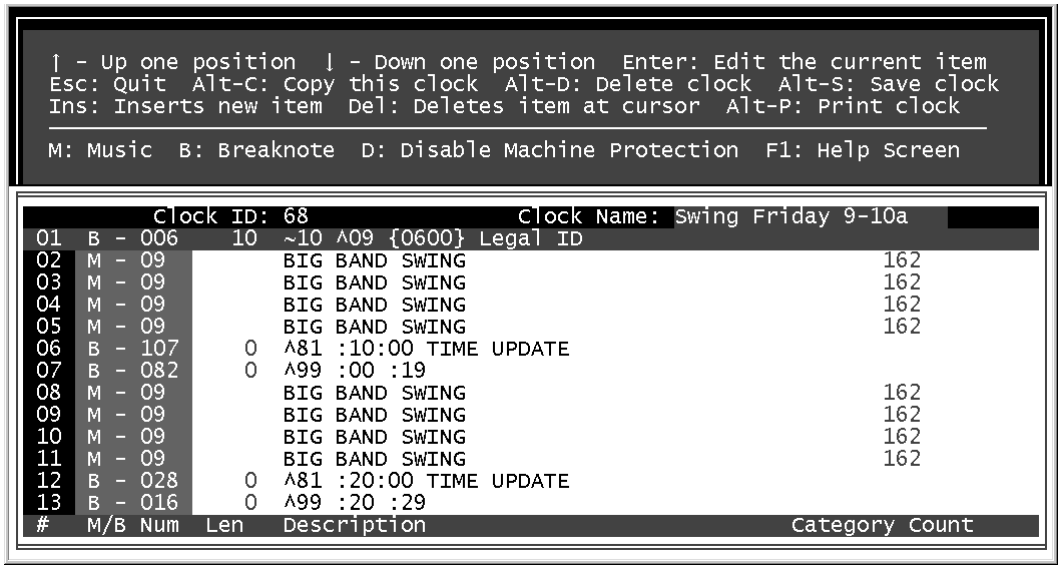

Figure 25— Scheduling Clock Editing, initial

Adding New Categories to Clocks, continued

7. Use the ↑ and ↓ arrow keys to highlight the music position currently held by the original category you wish to replace then press ENTER twice to edit the music category number.

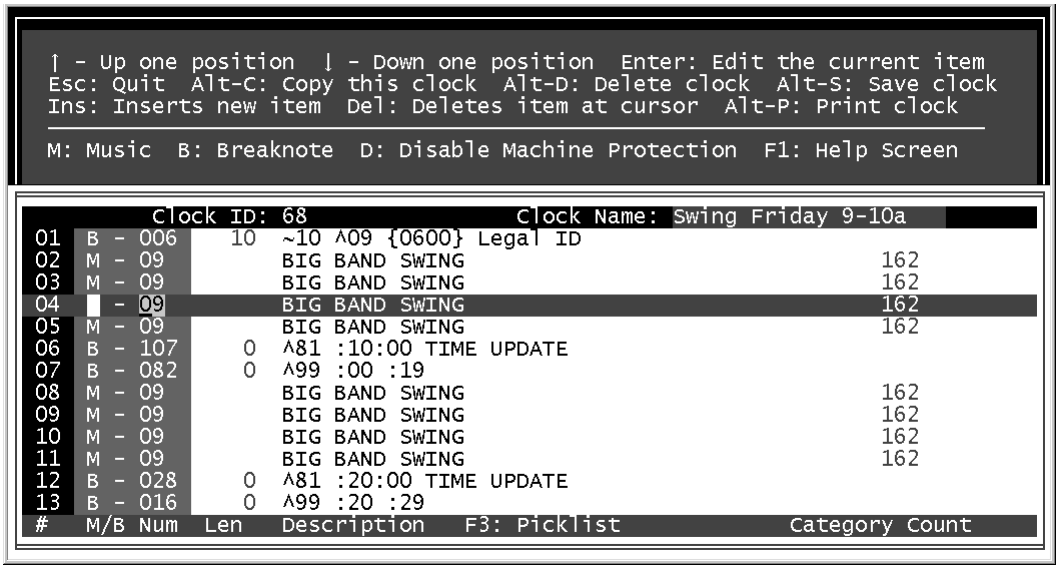

Figure 26— Scheduling Clock Editing, position selected

8. Press F3 to display a list of music categories. Use the ↑ and ↓ arrow keys to find and highlight the new category on this picklist.

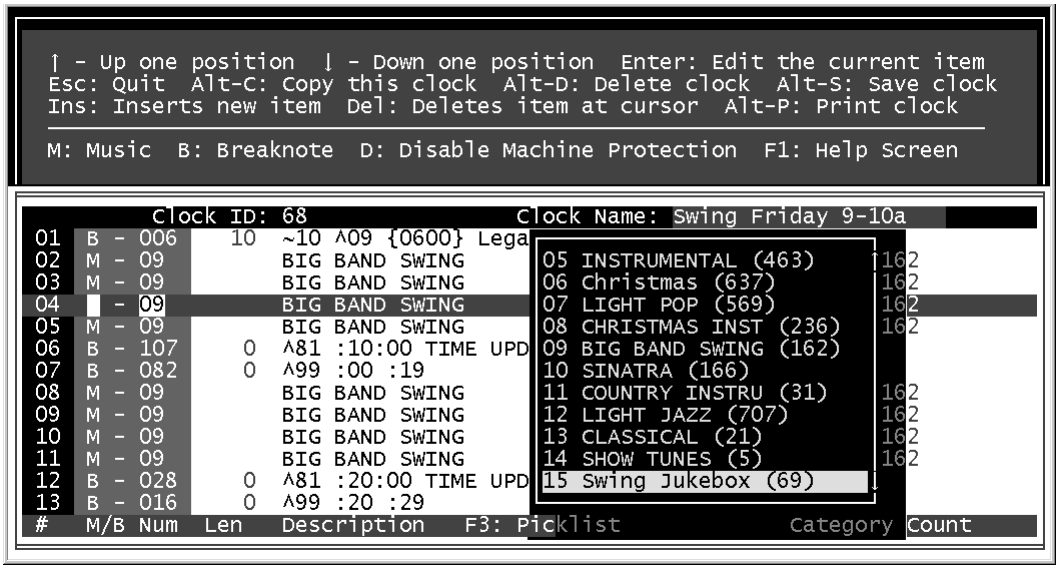

Figure 27— Scheduling Clock Editing, picklist

Adding New Categories to Clocks, continued

9. Press ENTER to select this music category and store it in the scheduling clock, replacing the original category entry that previously held this position.

10. Repeat steps 7-9 until a proportionate number of the original category entries have been replaced with new category entries.

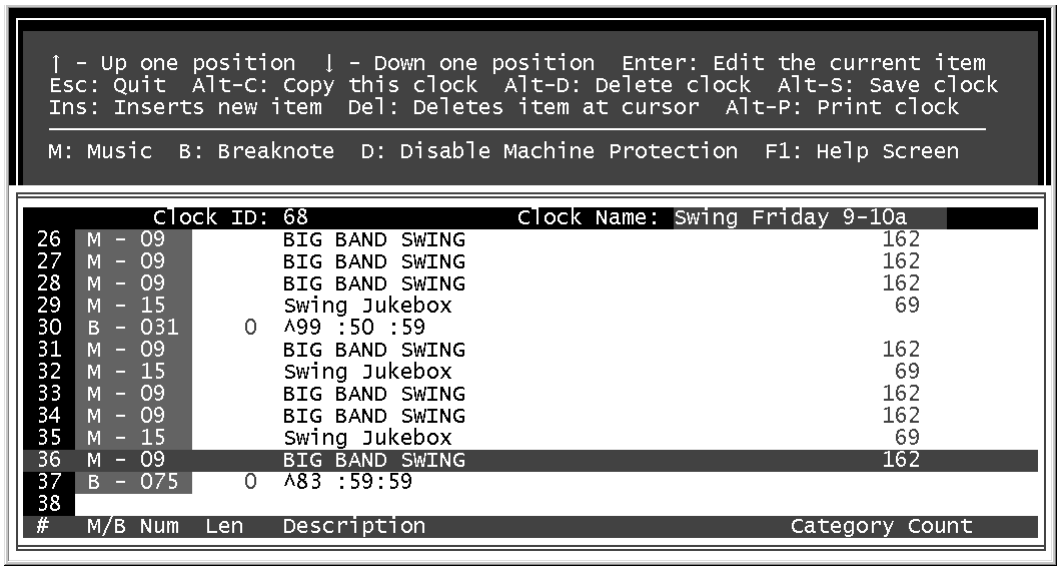

Figure 28— Scheduling Clock Editing, done

11. When you have finished editing this scheduling clock, press ESC to exit.

12. You will be prompted to save or discard your changes. Press F2 to save these changes.

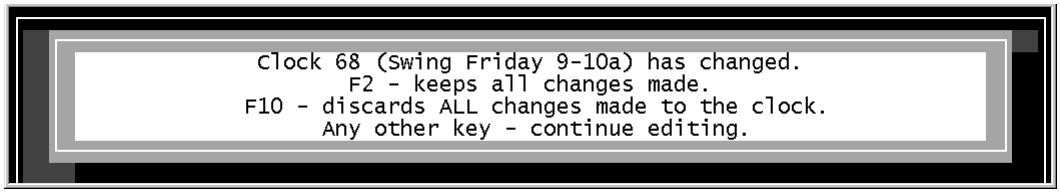

Figure 29— Scheduling Clock Editing, saving

13. The Clock Creation and Editing screen will again be displayed. Repeat steps 3-12 until the original category has been proportionally replaced in all of your scheduling clocks.

14. Press ESC twice to return to the Main menu of the On Air Scheduler.

Disabling Source Protection

When all of your clocks have been updated to proportionally reflect the new category, you must disable source protection for all songs played from RadioSuite HD before this process is complete. Depending on how you have spaced the new CD changer-only category in your clocks, there are two ways you can proceed with disabling source protection and they are described in detail in this next step.

- If enough songs remain the in the original, now RadioSuite HD-only category that you were able to avoid scheduling the new CD changer-only category back-to-back with itself or any other category using CD changers, you may disable source protection entirely. This process is described in *Disabling Source Protection Entirely* beginning on this page.

- If you still have clocks with categories of songs stored in CD changers scheduled back-to-back with other such categories, you must disable source protection on a case by base basis in each clock to allow RadioSuite HD-only categories to be scheduled back-to-back. This process is described in *Disabling Source Protection in Scheduling Clocks* beginning on page A-22.

Disabling Source Protection Entirely

The following steps will allow you to play any song back-to-back with any other song while excluding improperly entered songs without source identifiers. This allows OAS to more fully realize the capabilities of the RadioSuite HD.

1. From the Main menu of On Air Scheduler, press S to select `Special System Functions`.

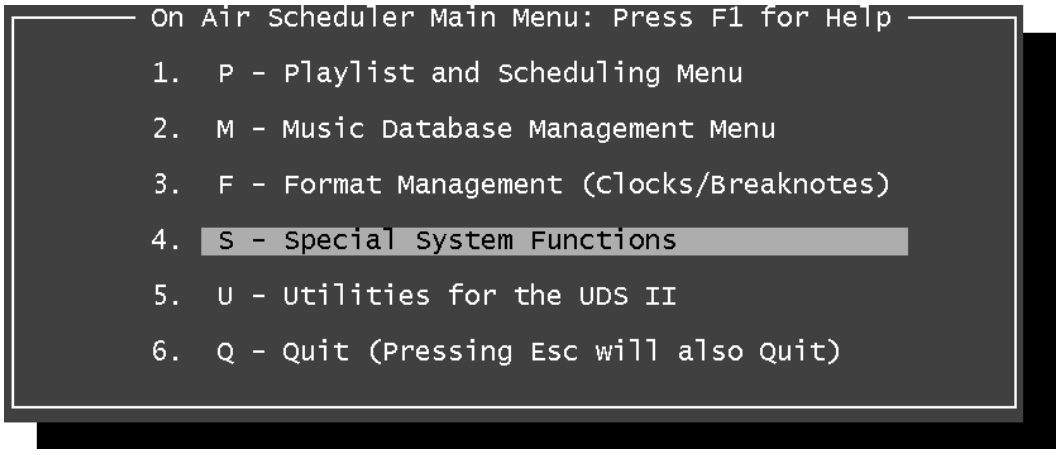

Figure 30— On Air Scheduler Main Menu

Disabling Source Protection—Entirely, continued

2. From the Special System Functions menu, press S to select `Set Program Configuration Options`.

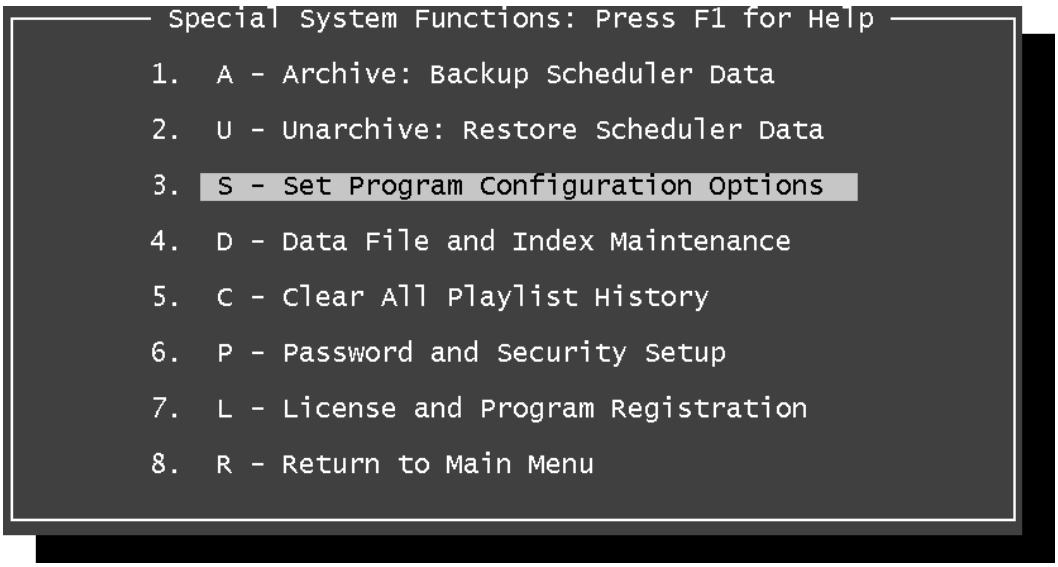

Figure 31— Special System Functions Menu

3. From the first page of the On Air Scheduler Configuration Setup window, press PG DN to advance to the second page of configuration options.

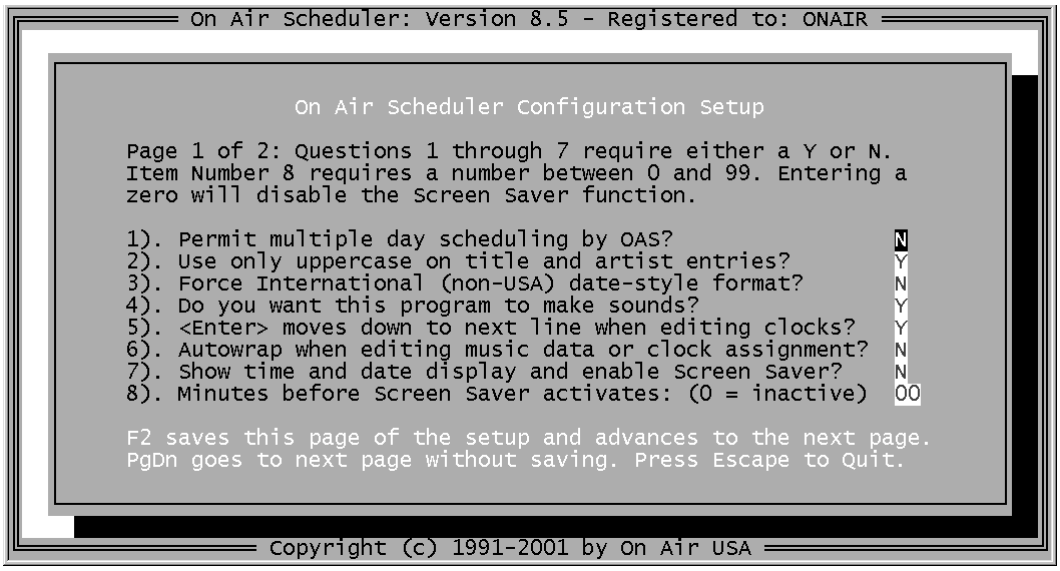

Figure 32— Configuration Setup Window, page 1

Disabling Source Protection—Entirely, continued

4. From the second page of the On Air Scheduler Configuration Setup window, use the ↑ and ↓ arrow keys to highlight item 11, `UDS Machine separation on during music scheduling`.

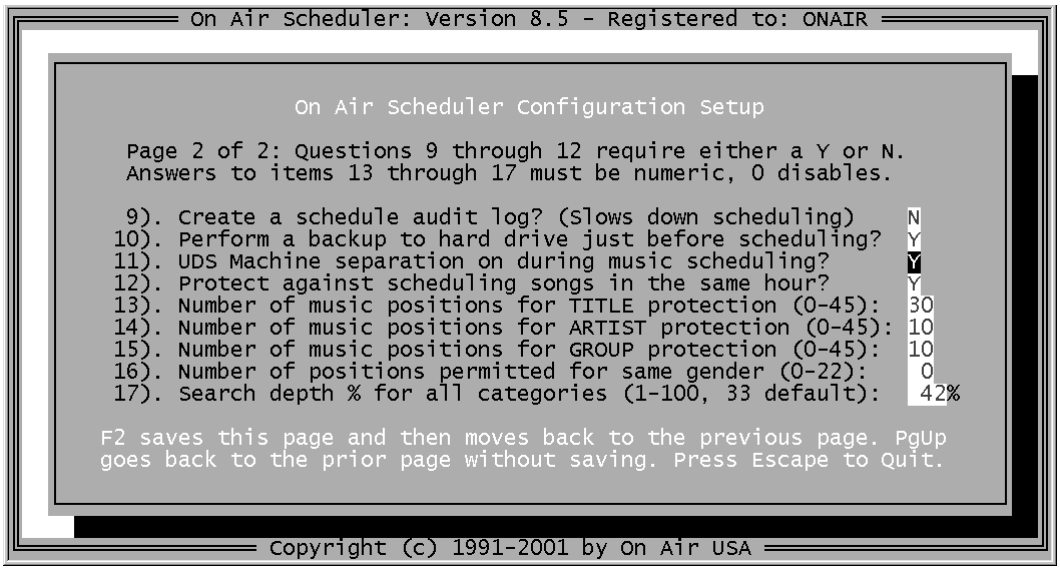

Figure 33— Configuration Setup Window, page 2

5. Press N to disable source protection and display a pop-up window that allows you to refine exactly how much of this source protection will be disabled.

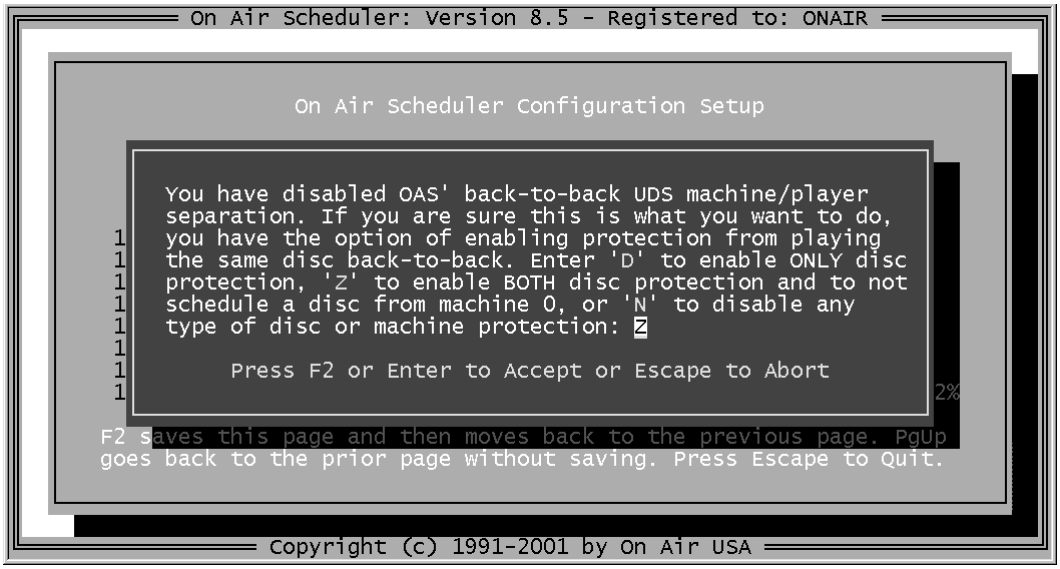

Figure 34— Configuration Setup Window, setting

Disabling Source Protection—Entirely, continued

6. Press Z to enable disc protection and prevent OAS from scheduling songs without any set source number, also known as "machine 0" events.

7. Press F2 to save the updated configuration file to disk.

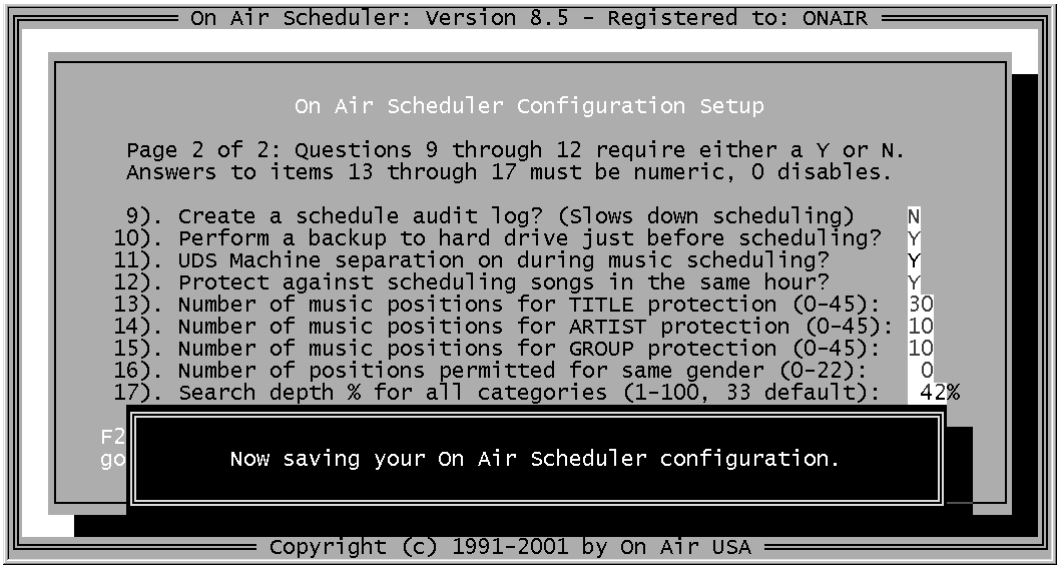

Figure 35— Configuration Setup Window, saving

8. Press ESC twice to return to the Main menu of On Air Scheduler.

Congratulations! You are now ready to create music schedules for UDS II with a mix of RadioSuite HD and single-player CD changers.

If you have any questions, comments, or suggestions about the On Air Scheduler program or documentation, please contact us right away. You can reach On Air Digital USA by fax at 972-481-9499, by email at support@onairusa.com, and by telephone at 800-765-2930.

Disabling Source Protection, continued

Disabling Source Protection in Scheduling Clocks

The following steps will allow you to play any song back-to-back with any song stored on RadioSuite HD while maintaining source separation for single-player CD changers. This allows OAS to more fully realize the capabilities of the RadioSuite HD.

1. From the Main menu of On Air Scheduler, press F to select `Format Management (Clocks/Breaknotes)`.

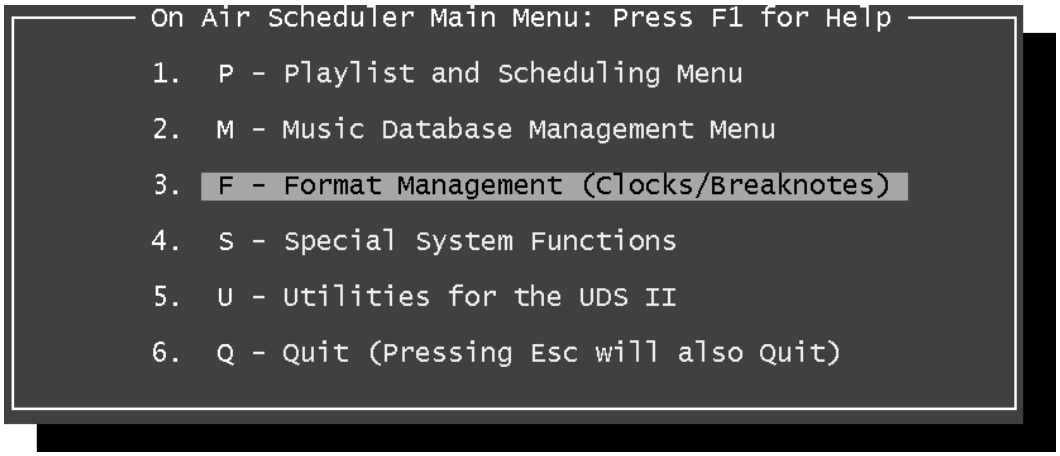

Figure 36— On Air Scheduler Main Menu

2. From the Format Management menu, press C to select `Clock Setup (Music and Breaknotes)`.

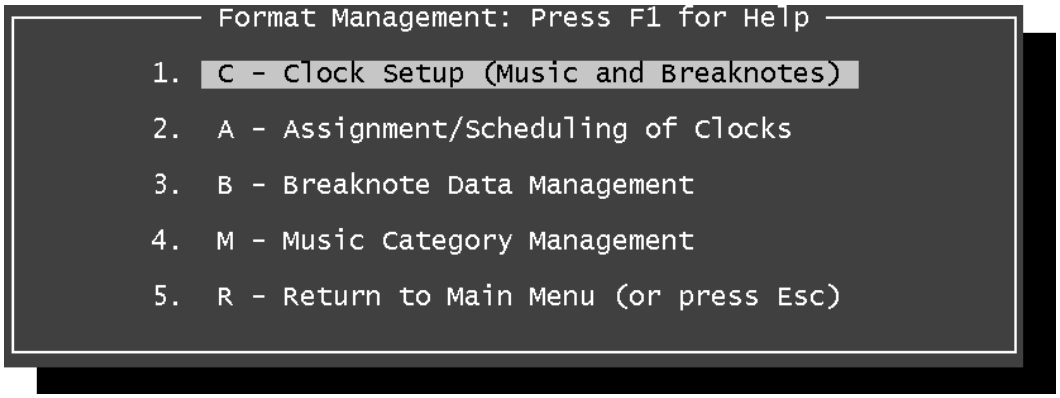

Figure 37— Format Management Menu

Disabling Source Protection—In Scheduling Clocks, continued

3. Observe the Clock Creation and Editing screen. Re-edit each clock that you had edited in the previous section to ensure that each of the back-to-back RadioSuite HD-only category entries will be joined by the source protection disabling code you are about to enter.

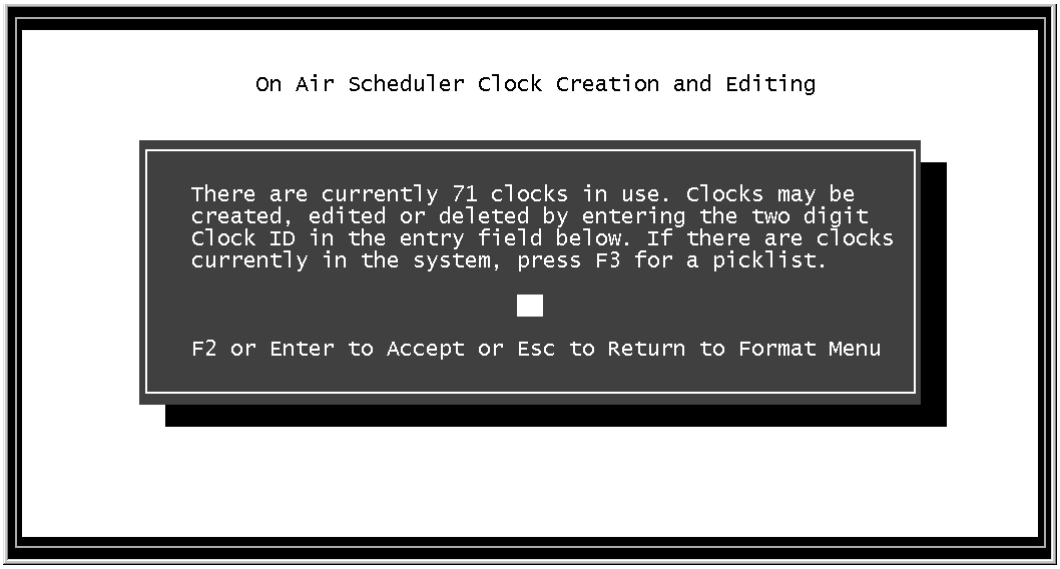

Figure 38— Clock Creation and Editing Screen, begin

4. Press F3 to display a list of scheduling clocks, sorted by clock number. Use the ↑ and ↓ arrow keys to highlight the clock you wish to edit then press ENTER to select this clock from the picklist. The clock number will be entered into the field.

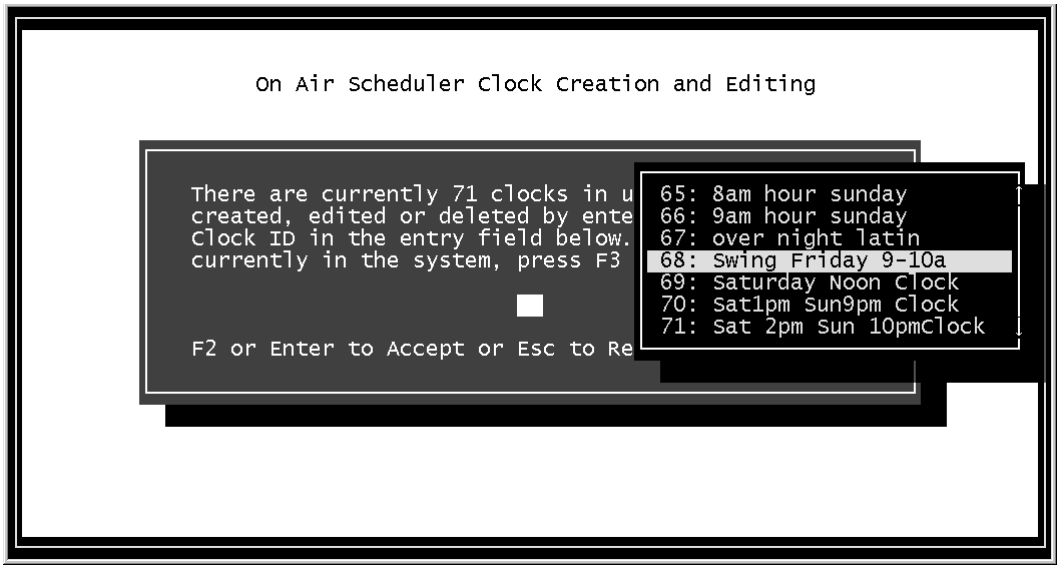

Figure 39— Clock Creation and Editing Screen, picklist

Disabling Source Protection—In Scheduling Clocks, continued

5. Press ENTER or F2 to accept this entry and begin editing the selected clock.

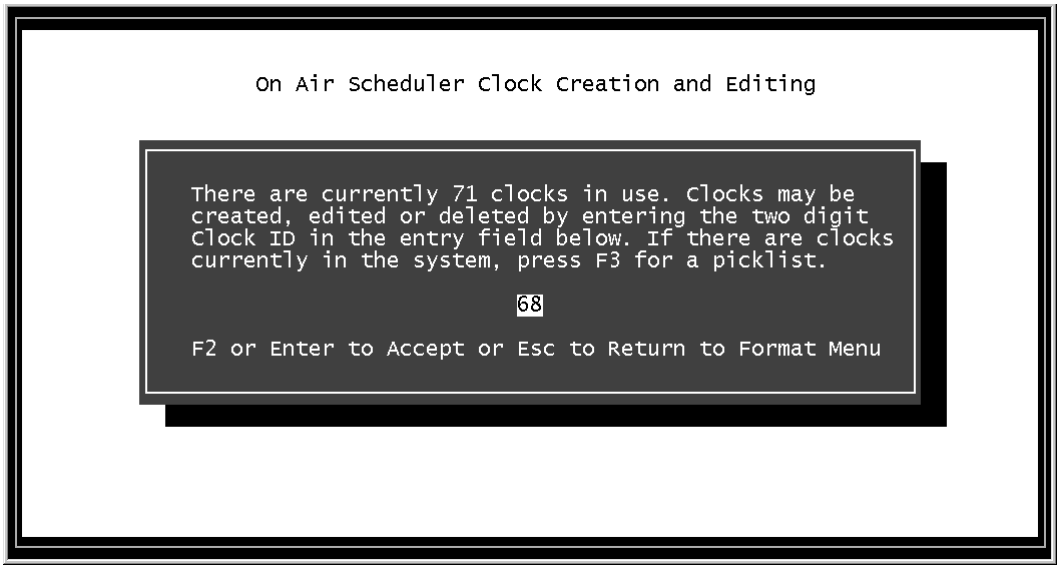

Figure 40— Clock Creation and Editing Screen, number entered

6. Observe the scheduling clock and note the number of times that RadioSuite-HD only categories are scheduled back-to-back. On Air Scheduler sees an apparent source conflict when going from one song on RadioSuite HD to another song on RadioSuite HD and so "machine protection" must be disabled between such events in the scheduling clock.

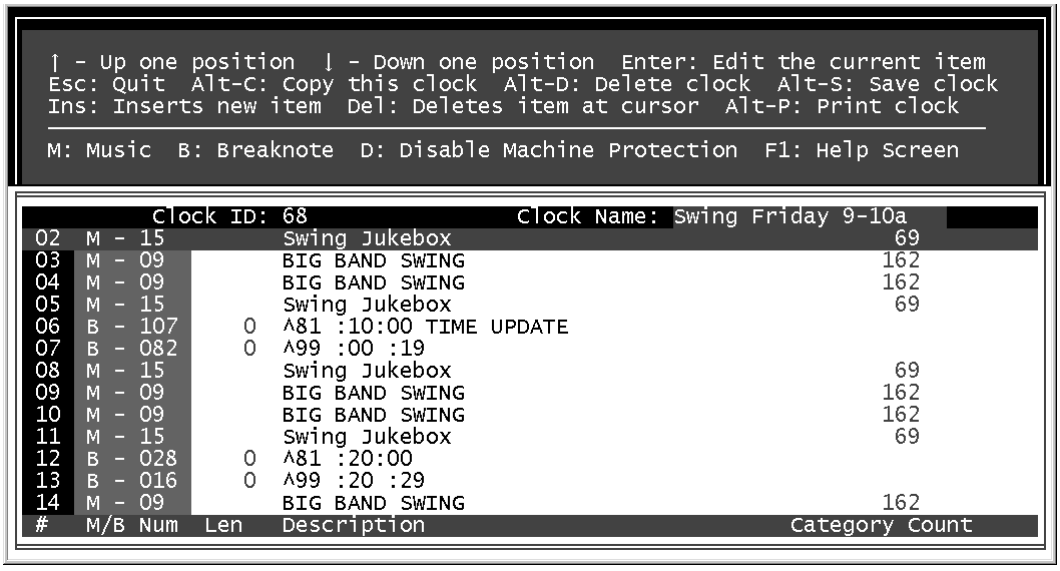

Figure 41— Scheduling Clock Editing, initial

Disabling Source Protection—In Scheduling Clocks, continued

7. Use the ↑ and ↓ arrow keys to highlight the second music position held by two back-to-back RadioSuite HD-only category entries then press D to insert a `Disable Machine Protection` entry into the scheduling clock between these songs.

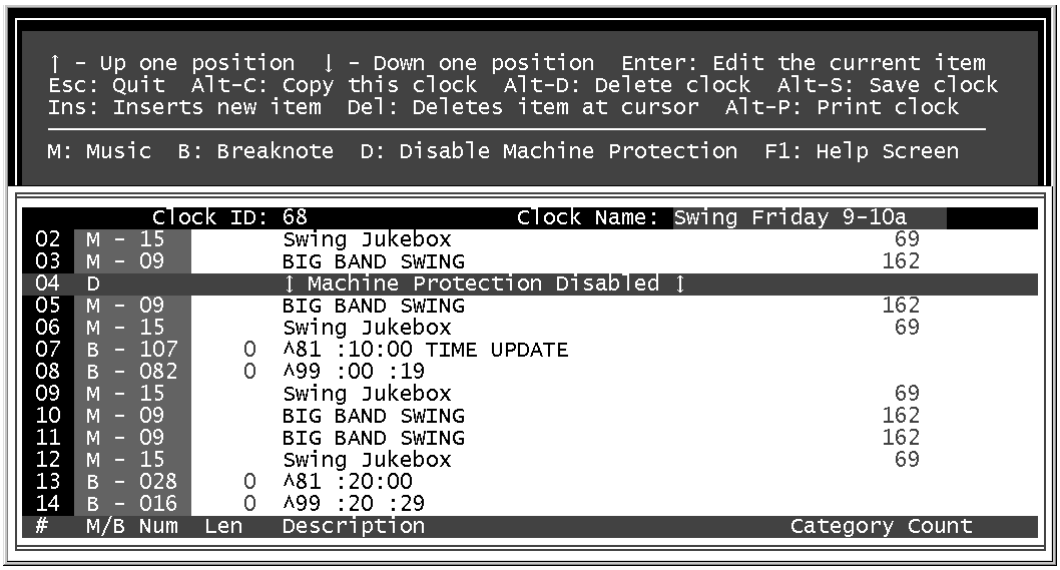

Figure 42— Scheduling Clock Editing, protection disabling

8. Repeat step 7 until all of the RadioSuite-HD only category entries have been separated by `Disable Machine Protection` entries.

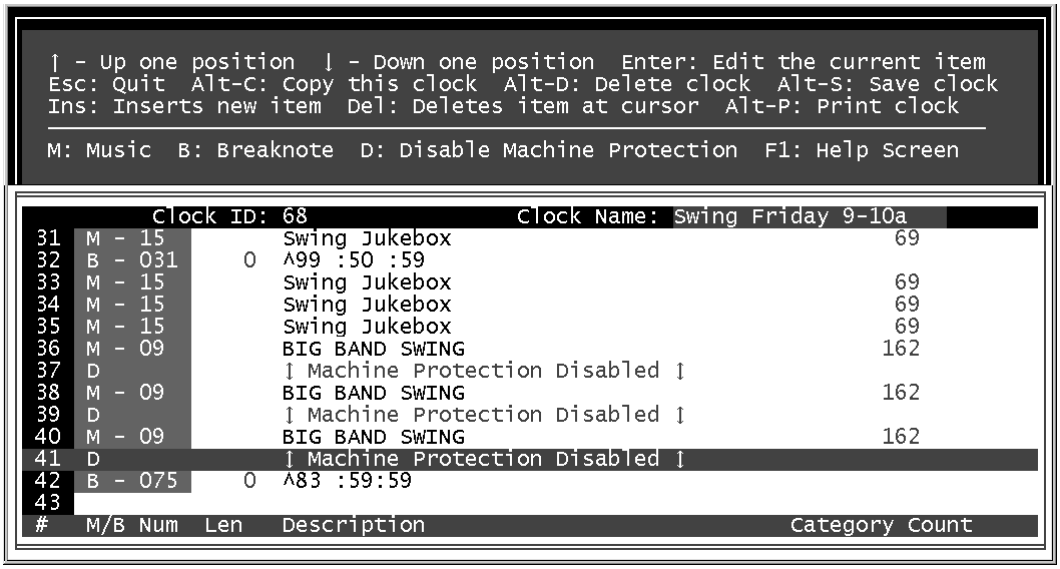

Figure 43— Scheduling Clock Editing, done

Disabling Source Protection—In Scheduling Clocks, continued

9. When you have finished editing this scheduling clock, press ESC to exit.

10. You will be prompted to save or discard your changes. Press F2 to save these changes.

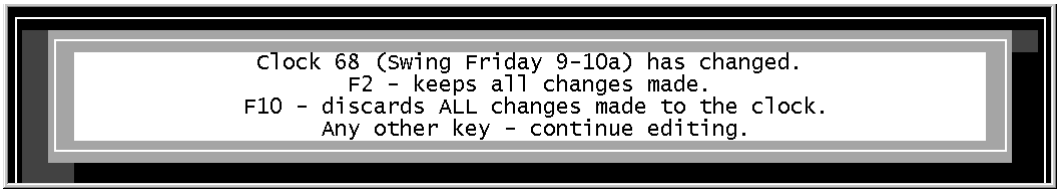

Figure 44— Scheduling Clock Editing, saving

11. Press ESC twice to return to the Main menu of On Air Scheduler.

Congratulations! You are now ready to create music schedules for UDS II with a mix of RadioSuite HD and single-player CD changers.

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